Mark A Febbraio

List of Publications by Year in Descending Order

279 papers	26,675 citations	91 h-index	155 g-index
307 ext. papers	30,043 ext. citations	8.5 avg, IF	7.14 L-index

#	Paper	IF	Citations
279	Exerkines in health, resilience and disease.. *Nature Reviews Endocrinology*, **2022**,	15.2	17
278	Deletion of GPR21 improves glucose homeostasis and inhibits the CCL2-CCR2 axis by divergent mechanisms. *BMJ Open Diabetes Research and Care*, **2021**, 9,	4.5	2
277	"Sweet death": Fructose as a metabolic toxin that targets the gut-liver axis. *Cell Metabolism*, **2021**, 33, 2316-2328	24.6	6
276	Stable Isotopic Tracer Phospholipidomics Reveals Contributions of Key Phospholipid Biosynthetic Pathways to Low Hepatocyte Phosphatidylcholine to Phosphatidylethanolamine Ratio Induced by Free Fatty Acids. *Metabolites*, **2021**, 11,	5.6	1
275	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. *Nature Communications*, **2021**, 12, 2887	17.4	3
274	Circulating Ceramides- Are Origins Important for Sphingolipid Biomarkers and Treatments?. *Frontiers in Endocrinology*, **2021**, 12, 684448	5.7	5
273	Immune-based therapies in cardiovascular and metabolic diseases: past, present and future. *Nature Reviews Immunology*, **2021**, 21, 669-679	36.5	5
272	IL-6 family cytokines as potential therapeutic strategies to treat metabolic diseases. *Cytokine*, **2021**, 144, 155549	4	3
271	Fecal microbiota transplantation from high caloric-fed donors alters glucose metabolism in recipient mice, independently of adiposity or exercise status. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 319, E203-E216	6	9
270	Intravascular Follistatin gene delivery improves glycemic control in a mouse model of type 2 diabetes. *FASEB Journal*, **2020**, 34, 5697-5714	0.9	3
269	MCL-1 is essential for survival but dispensable for metabolic fitness of FOXP3 regulatory T cells. *Cell Death and Differentiation*, **2020**, 27, 3374-3385	12.7	0
268	Current and Future Treatments in the Fight Against Non-Alcoholic Fatty Liver Disease. *Cancers*, **2020**, 12,	6.6	16
267	Sex-specific adipose tissue imprinting of regulatory T cells. *Nature*, **2020**, 579, 581-585	50.4	72
266	The Protective Effect of Exercise in Neurodegenerative Diseases: The Potential Role of Extracellular Vesicles. *Cells*, **2020**, 9,	7.9	12
265	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. *Nature Metabolism*, **2020**, 2, 1427-1442	14.6	6
264	Metabolic communication during exercise. *Nature Metabolism*, **2020**, 2, 805-816	14.6	37
263	Who would have thought - myokines two decades on. *Nature Reviews Endocrinology*, **2020**, 16, 619-620	15.2	4

262	Fructose stimulated de novo lipogenesis is promoted by inflammation. *Nature Metabolism*, **2020**, 2, 1034-1045	14.6	65
261	Treatment of type 2 diabetes with the designer cytokine IC7Fc. *Nature*, **2019**, 574, 63-68	50.4	30
260	Metabolic control and sex: A focus on inflammatory-linked mediators. *British Journal of Pharmacology*, **2019**, 176, 4193-4207	8.6	10
259	Mouse Model of Mutated in Colorectal Cancer Gene Deletion Reveals Novel Pathways in Inflammation and Cancer. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 7, 819-839	7.9	4
258	Can microbes increase exercise performance in athletes?. *Nature Reviews Endocrinology*, **2019**, 15, 629-630	15.2	2
257	Adipocyte-specific deletion of IL-6 does not attenuate obesity-induced weight gain or glucose intolerance in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E597-E604	6	12
256	Preclinical Models for Studying NASH-Driven HCC: How Useful Are They?. *Cell Metabolism*, **2019**, 29, 18-26	24.6	78
255	Redefining Tissue Crosstalk via Shotgun Proteomic Analyses of Plasma Extracellular Vesicles. *Proteomics*, **2019**, 19, e1800154	4.8	10
254	Relieving ER stress to target NASH-driven hepatocellular carcinoma. *Nature Reviews Endocrinology*, **2019**, 15, 73-74	15.2	8
253	Protein Kinase C Epsilon Deletion in Adipose Tissue, but Not in Liver, Improves Glucose Tolerance. *Cell Metabolism*, **2019**, 29, 183-191.e7	24.6	30
252	Evidence against a role for NLRP3-driven islet inflammation in db/db mice. *Molecular Metabolism*, **2018**, 10, 66-73	8.8	29
251	APP deficiency results in resistance to obesity but impairs glucose tolerance upon high fat feeding. *Journal of Endocrinology*, **2018**, 237, 311-322	4.7	8
250	Evidence that TLR4 Is Not a Receptor for Saturated Fatty Acids but Mediates Lipid-Induced Inflammation by Reprogramming Macrophage Metabolism. *Cell Metabolism*, **2018**, 27, 1096-1110.e5	24.6	210
249	Skeletal muscle-specific overexpression of heat shock protein 72 improves skeletal muscle insulin-stimulated glucose uptake but does not alter whole body metabolism. *Diabetes, Obesity and Metabolism*, **2018**, 20, 1928-1936	6.7	13
248	Activation of mitochondrial fusion provides a new treatment for mitochondria-related diseases. *Biochemical Pharmacology*, **2018**, 150, 86-96	6	37
247	Extracellular Vesicles Provide a Means for Tissue Crosstalk during Exercise. *Cell Metabolism*, **2018**, 27, 237-251.e4	24.6	257
246	Female sex hormones are necessary for the metabolic effects mediated by loss of Interleukin 18 signaling. *Molecular Metabolism*, **2018**, 12, 89-97	8.8	5
245	GeneXX: an online tool for the exploration of transcript changes in skeletal muscle associated with exercise. *Physiological Genomics*, **2018**, 50, 376-384	3.6	8

244	Exercise as medicine for survivors of paediatric cancer. *Nature Reviews Endocrinology*, **2018**, 14, 506-508	15.2	4
243	Defective cholesterol metabolism in haematopoietic stem cells promotes monocyte-driven atherosclerosis in rheumatoid arthritis. *European Heart Journal*, **2018**, 39, 2158-2167	9.5	48
242	Muscle-specific overexpression of AdipoR1 or AdipoR2 gives rise to common and discrete local effects whilst AdipoR2 promotes additional systemic effects. *Scientific Reports*, **2017**, 7, 41792	4.9	10
241	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. *Diabetes, Obesity and Metabolism*, **2017**, 19, 936-943	6.7	13
240	IL-1β delivers a sweet deal. *Nature Immunology*, **2017**, 18, 247-248	19.1	3
239	Adiponectin serenades ceramidase to improve metabolism. *Molecular Metabolism*, **2017**, 6, 233-235	8.8	7
238	Exercise metabolism in 2016: Health benefits of exercise - more than meets the eye!. *Nature Reviews Endocrinology*, **2017**, 13, 72-74	15.2	58
237	High-density lipoprotein delivered after myocardial infarction increases cardiac glucose uptake and function in mice. *Science Translational Medicine*, **2017**, 9,	17.5	35
236	Increased liver AGEs induce hepatic injury mediated through an OST48 pathway. *Scientific Reports*, **2017**, 7, 12292	4.9	16
235	Transcription Factor IRF4 Promotes CD8 T Cell Exhaustion and Limits the Development of Memory-like T Cells during Chronic Infection. *Immunity*, **2017**, 47, 1129-1141.e5	32.3	178
234	Inflammation, but not recruitment, of adipose tissue macrophages requires signalling through Mac-1 (CD11b/CD18) in diet-induced obesity (DIO). *Thrombosis and Haemostasis*, **2017**, 117, 325-338	7	14
233	Neutrophil-derived S100 calcium-binding proteins A8/A9 promote reticulated thrombocytosis and atherogenesis in diabetes. *Journal of Clinical Investigation*, **2017**, 127, 2133-2147	15.9	114
232	Over-expressing the soluble gp130-Fc does not ameliorate methionine and choline deficient diet-induced non alcoholic steatohepatitis in mice. *PLoS ONE*, **2017**, 12, e0179099	3.7	8
231	IL-18 Production from the NLRP1 Inflammasome Prevents Obesity and Metabolic Syndrome. *Cell Metabolism*, **2016**, 23, 155-64	24.6	101
230	Disruption of the Class IIa HDAC Corepressor Complex Increases Energy Expenditure and Lipid Oxidation. *Cell Reports*, **2016**, 16, 2802-2810	10.6	48
229	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. *Molecular Metabolism*, **2016**, 5, 699-708	8.8	104
228	BGP-15 Improves Aspects of the Dystrophic Pathology in mdx and dko Mice with Differing Efficacies in Heart and Skeletal Muscle. *American Journal of Pathology*, **2016**, 186, 3246-3260	5.8	19
227	The role of gp130 receptor cytokines in the regulation of metabolic homeostasis. *Journal of Experimental Biology*, **2016**, 219, 259-65	3	36

226	NFB1 is essential to prevent the development of multiorgan autoimmunity by limiting IL-6 production in follicular B cells. *Journal of Experimental Medicine*, **2016**, 213, 621-41	16.6	28
225	PKR is not obligatory for high-fat diet-induced obesity and its associated metabolic and inflammatory complications. *Nature Communications*, **2016**, 7, 10626	17.4	25
224	Heat shock proteins and exercise adaptations. Our knowledge thus far and the road still ahead. *Journal of Applied Physiology*, **2016**, 120, 683-91	3.7	38
223	High Fat Diet Inhibits Dendritic Cell and T Cell Response to Allergens but Does Not Impair Inhalational Respiratory Tolerance. *PLoS ONE*, **2016**, 11, e0160407	3.7	15
222	NFB1 is essential to prevent the development of multiorgan autoimmunity by limiting IL-6 production in follicular B cells. *Journal of Cell Biology*, **2016**, 213, 2131OIA67	7.3	
221	The roles of c-Jun NH2-terminal kinases (JNKs) in obesity and insulin resistance. *Journal of Physiology*, **2016**, 594, 267-79	3.9	75
220	The ever-expanding myokinome: discovery challenges and therapeutic implications. *Nature Reviews Drug Discovery*, **2016**, 15, 719-29	64.1	147
219	Glucose-6-phosphate dehydrogenase contributes to the regulation of glucose uptake in skeletal muscle. *Molecular Metabolism*, **2016**, 5, 1083-1091	8.8	15
218	Genetic manipulation of cardiac Hsp72 levels does not alter substrate metabolism but reveals insights into high-fat feeding-induced cardiac insulin resistance. *Cell Stress and Chaperones*, **2015**, 20, 461-72	4	8
217	Analysis of the liver lipidome reveals insights into the protective effect of exercise on high-fat diet-induced hepatosteatosis in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 308, E778-91	6	37
216	The CDP-Ethanolamine Pathway Regulates Skeletal Muscle Diacylglycerol Content and Mitochondrial Biogenesis without Altering Insulin Sensitivity. *Cell Metabolism*, **2015**, 21, 718-30	24.6	57
215	Fetuin B Is a Secreted Hepatocyte Factor Linking Steatosis to Impaired Glucose Metabolism. *Cell Metabolism*, **2015**, 22, 1078-89	24.6	134
214	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. *Advanced Healthcare Materials*, **2015**, 4, 2170-2175	10.1	42
213	Exercise improves adipose function and inflammation and ameliorates fatty liver disease in obese diabetic mice. *Obesity*, **2015**, 23, 1845-55	8	34
212	Attenuation of AMPK signaling by ROQUIN promotes T follicular helper cell formation. *ELife*, **2015**, 4,	8.9	40
211	Blocking IL-6 trans-signaling prevents high-fat diet-induced adipose tissue macrophage recruitment but does not improve insulin resistance. *Cell Metabolism*, **2015**, 21, 403-16	24.6	155
210	Mitochondrial dysfunction in oocytes of obese mothers: transmission to offspring and reversal by pharmacological endoplasmic reticulum stress inhibitors. *Development (Cambridge)*, **2015**, 142, 681-91	6.6	157
209	Long-Term Overexpression of Hsp70 Does Not Protect against Cardiac Dysfunction and Adverse Remodeling in a MURC Transgenic Mouse Model with Chronic Heart Failure and Atrial Fibrillation. *PLoS ONE*, **2015**, 10, e0145173	3.7	10

208	Mitochondrial dysfunction in oocytes of obese mothers: transmission to offspring and reversal by pharmacological endoplasmic reticulum stress inhibitors. *Journal of Cell Science*, **2015**, 128, e1-e1	5.3	
207	Signaling by IL-6 promotes alternative activation of macrophages to limit endotoxemia and obesity-associated resistance to insulin. *Nature Immunology*, **2014**, 15, 423-30	19.1	462
206	Adipose tissue inflammation in glucose metabolism. *Reviews in Endocrine and Metabolic Disorders*, **2014**, 15, 31-44	10.5	64
205	From cytokine to myokine: the emerging role of interleukin-6 in metabolic regulation. *Immunology and Cell Biology*, **2014**, 92, 331-9	5	162
204	Role of interleukins in obesity: implications for metabolic disease. *Trends in Endocrinology and Metabolism*, **2014**, 25, 312-9	8.8	73
203	The immunomodulating role of exercise in metabolic disease. *Trends in Immunology*, **2014**, 35, 262-9	14.4	126
202	Coinhibitory suppression of T cell activation by CD40 protects against obesity and adipose tissue inflammation in mice. *Circulation*, **2014**, 129, 2414-25	16.7	48
201	Integrated control of hepatic lipogenesis versus glucose production requires FoxO transcription factors. *Nature Communications*, **2014**, 5, 5190	17.4	121
200	Activating HSP72 in rodent skeletal muscle increases mitochondrial number and oxidative capacity and decreases insulin resistance. *Diabetes*, **2014**, 63, 1881-94	0.9	122
199	HSP72 is a mitochondrial stress sensor critical for Parkin action, oxidative metabolism, and insulin sensitivity in skeletal muscle. *Diabetes*, **2014**, 63, 1488-505	0.9	85
198	Role of IL-6 in exercise training- and cold-induced UCP1 expression in subcutaneous white adipose tissue. *PLoS ONE*, **2014**, 9, e84910	3.7	117
197	The dual-specificity phosphatase 2 (DUSP2) does not regulate obesity-associated inflammation or insulin resistance in mice. *PLoS ONE*, **2014**, 9, e111524	3.7	4
196	The small-molecule BGP-15 protects against heart failure and atrial fibrillation in mice. *Nature Communications*, **2014**, 5, 5705	17.4	61
195	Chaperoning to the metabolic party: The emerging therapeutic role of heat-shock proteins in obesity and type 2 diabetes. *Molecular Metabolism*, **2014**, 3, 781-93	8.8	64
194	Come on BAIBA light my fire. *Cell Metabolism*, **2014**, 19, 1-2	24.6	28
193	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. *Diabetologia*, **2013**, 56, 1638-48	10.3	284
192	Interleukin-18 activates skeletal muscle AMPK and reduces weight gain and insulin resistance in mice. *Diabetes*, **2013**, 62, 3064-74	0.9	57
191	Exercise, Nutrition, and Inflammation **2013**, 466-477		

190	The transcription factor IRF4 is essential for TCR affinity-mediated metabolic programming and clonal expansion of T cells. *Nature Immunology*, **2013**, 14, 1155-65	19.1	256
189	The sphingosine-1-phosphate analog FTY720 reduces muscle ceramide content and improves glucose tolerance in high fat-fed male mice. *Endocrinology*, **2013**, 154, 65-76	4.8	43
188	Marked phenotypic differences of endurance performance and exercise-induced oxygen consumption between AMPK and LKB1 deficiency in mouse skeletal muscle: changes occurring in the diaphragm. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E213-29	6	15
187	Hydroximic acid derivatives: pleiotropic HSP co-inducers restoring homeostasis and robustness. *Current Pharmaceutical Design*, **2013**, 19, 309-46	3.3	48
186	Thrombin-mediated proteoglycan synthesis utilizes both protein-tyrosine kinase and serine/threonine kinase receptor transactivation in vascular smooth muscle cells. *Journal of Biological Chemistry*, **2013**, 288, 7410-9	5.4	37
185	p32 protein levels are integral to mitochondrial and endoplasmic reticulum morphology, cell metabolism and survival. *Biochemical Journal*, **2013**, 453, 381-91	3.8	44
184	Maternal obesity and diabetes induces latent metabolic defects and widespread epigenetic changes in isogenic mice. *Epigenetics*, **2013**, 8, 602-11	5.7	62
183	Targeting gp130 to prevent inflammation and promote insulin action. *Diabetes, Obesity and Metabolism*, **2013**, 15 Suppl 3, 170-5	6.7	21
182	Phosphoinositide 3-kinase p110 is a master regulator of exercise-induced cardioprotection and PI3K gene therapy rescues cardiac dysfunction. *Circulation: Heart Failure*, **2012**, 5, 523-34	7.6	89
181	Hedgehog partial agonism drives Warburg-like metabolism in muscle and brown fat. *Cell*, **2012**, 151, 414-26	32.2	191
180	Follistatin-mediated skeletal muscle hypertrophy is regulated by Smad3 and mTOR independently of myostatin. *Journal of Cell Biology*, **2012**, 197, 997-1008	7.3	133
179	IL-6 muscles in on the gut and pancreas to enhance insulin secretion. *Cell Metabolism*, **2012**, 15, 8-9	24.6	15
178	Overexpression of sphingosine kinase 1 prevents ceramide accumulation and ameliorates muscle insulin resistance in high-fat diet-fed mice. *Diabetes*, **2012**, 61, 3148-55	0.9	109
177	Skeletal muscle-specific overproduction of constitutively activated c-Jun N-terminal kinase (JNK) induces insulin resistance in mice. *Diabetologia*, **2012**, 55, 2769-2778	10.3	39
176	Plasma lysophosphatidylcholine levels are reduced in obesity and type 2 diabetes. *PLoS ONE*, **2012**, 7, e41456	3.7	210
175	Hsp72 preserves muscle function and slows progression of severe muscular dystrophy. *Nature*, **2012**, 484, 394-8	50.4	196
174	Muscles, exercise and obesity: skeletal muscle as a secretory organ. *Nature Reviews Endocrinology*, **2012**, 8, 457-65	15.2	1503
173	IB kinase (IKK) does not mediate feedback inhibition of the insulin signalling cascade. *Biochemical Journal*, **2012**, 442, 723-32	3.8	5

172	Contraction-induced interleukin-6 gene transcription in skeletal muscle is regulated by c-Jun terminal kinase/activator protein-1. *Journal of Biological Chemistry*, **2012**, 287, 10771-9	5.4	73
171	CD40L deficiency attenuates diet-induced adipose tissue inflammation by impairing immune cell accumulation and production of pathogenic IgG-antibodies. *PLoS ONE*, **2012**, 7, e33026	3.7	31
170	Tumor progression locus 2 (Tpl2) deficiency does not protect against obesity-induced metabolic disease. *PLoS ONE*, **2012**, 7, e39100	3.7	5
169	Exercise induces a marked increase in plasma follistatin: evidence that follistatin is a contraction-induced hepatokine. *Endocrinology*, **2011**, 152, 164-71	4.8	122
168	Differential response to resistance training in CHF according to ACE genotype. *International Journal of Cardiology*, **2011**, 149, 330-4	3.2	6
167	Phosphoinositide 3-kinase as a novel functional target for the regulation of the insulin signaling pathway by SIRT1. *Molecular and Cellular Endocrinology*, **2011**, 335, 166-76	4.4	94
166	Deletion of macrophage migration inhibitory factor protects the heart from severe ischemia-reperfusion injury: a predominant role of anti-inflammation. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 991-9	5.8	88
165	Deficiency of haematopoietic-cell-derived IL-10 does not exacerbate high-fat-diet-induced inflammation or insulin resistance in mice. *Diabetologia*, **2011**, 54, 888-99	10.3	45
164	Adipose triglyceride lipase-null mice are resistant to high-fat diet-induced insulin resistance despite reduced energy expenditure and ectopic lipid accumulation. *Endocrinology*, **2011**, 152, 48-58	4.8	82
163	Hematopoietic cell-restricted deletion of CD36 reduces high-fat diet-induced macrophage infiltration and improves insulin signaling in adipose tissue. *Diabetes*, **2011**, 60, 1100-10	0.9	56
162	Myeloid-specific estrogen receptor alpha deficiency impairs metabolic homeostasis and accelerates atherosclerotic lesion development. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 16457-62	11.5	125
161	IL-10 controls cystatin C synthesis and blood concentration in response to inflammation through regulation of IFN regulatory factor 8 expression. *Journal of Immunology*, **2011**, 186, 3666-73	5.3	37
160	Membrane-lipid therapy in operation: the HSP co-inducer BGP-15 activates stress signal transduction pathways by remodeling plasma membrane rafts. *PLoS ONE*, **2011**, 6, e28818	3.7	59
159	Overcoming insulin resistance with ciliary neurotrophic factor. *Handbook of Experimental Pharmacology*, **2011**, 179-99	3.2	15
158	Current knowledge on playing football in hot environments. *Scandinavian Journal of Medicine and Science in Sports*, **2010**, 20 Suppl 3, 161-7	4.6	40
157	Is interleukin-6 receptor blockade the Holy Grail for inflammatory diseases?. *Clinical Pharmacology and Therapeutics*, **2010**, 87, 396-8	6.1	46
156	The 2009 stock conference report: inflammation, obesity and metabolic disease. *Obesity Reviews*, **2010**, 11, 635-44	10.6	45
155	PI3K(p110 alpha) protects against myocardial infarction-induced heart failure: identification of PI3K-regulated miRNA and mRNA. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 724-32	9.4	138

154	HSP and Diabetes. *Heat Shock Proteins*, **2010**, 3-18	0.2	5
153	Adiponectin sparks an interest in calcium. *Cell Metabolism*, **2010**, 11, 447-9	24.6	6
152	IL6 as a mediator of insulin resistance: fat or fiction?. *Diabetologia*, **2010**, 53, 399-402	10.3	29
151	Interleukin-6-deficient mice develop hepatic inflammation and systemic insulin resistance. *Diabetologia*, **2010**, 53, 2431-41	10.3	241
150	Cytokine Regulation of AMPK signalling. *Frontiers in Bioscience - Landmark*, **2009**, 14, 1902-16	2.8	38
149	High-density lipoprotein modulates glucose metabolism in patients with type 2 diabetes mellitus. *Circulation*, **2009**, 119, 2103-11	16.7	281
148	Alpha2-AMPK activity is not essential for an increase in fatty acid oxidation during low-intensity exercise. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 296, E47-55	6	43
147	Overexpression of carnitine palmitoyltransferase-1 in skeletal muscle is sufficient to enhance fatty acid oxidation and improve high-fat diet-induced insulin resistance. *Diabetes*, **2009**, 58, 550-8	0.9	254
146	Site-specific antiatherogenic effect of the antioxidant ebselen in the diabetic apolipoprotein E-deficient mouse. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 823-30	9.4	71
145	Interleukin-6 attenuates insulin-mediated increases in endothelial cell signaling but augments skeletal muscle insulin action via differential effects on tumor necrosis factor-alpha expression. *Diabetes*, **2009**, 58, 1086-95	0.9	41
144	Brain-derived neurotrophic factor is produced by skeletal muscle cells in response to contraction and enhances fat oxidation via activation of AMP-activated protein kinase. *Diabetologia*, **2009**, 52, 1409-18	10.3	414
143	Role of exercise-induced brain-derived neurotrophic factor production in the regulation of energy homeostasis in mammals. *Experimental Physiology*, **2009**, 94, 1153-60	2.4	165
142	Skeletal muscle: not simply an organ for locomotion and energy storage. *Journal of Physiology*, **2009**, 587, 509-10	3.9	9
141	Examination of 'lipotoxicity' in skeletal muscle of high-fat fed and ob/ob mice. *Journal of Physiology* , **2009**, 587, 1593-605	3.9	84
140	Reactive oxygen species enhance insulin sensitivity. *Cell Metabolism*, **2009**, 10, 260-72	24.6	442
139	Muscle as an endocrine organ: focus on muscle-derived interleukin-6. *Physiological Reviews*, **2008**, 88, 1379-406	47.9	1325
138	HSP72 protects against obesity-induced insulin resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1739-44	11.5	397
137	Prolonged interleukin-6 administration enhances glucose tolerance and increases skeletal muscle PPARalpha and UCP2 expression in rats. *Journal of Endocrinology*, **2008**, 198, 367-74	4.7	53

136	CNTF: a target therapeutic for obesity-related metabolic disease?. *Journal of Molecular Medicine*, **2008**, 86, 353-61	5.5	28
135	Oxidative stress-induced insulin resistance in skeletal muscle cells is ameliorated by gamma-tocopherol treatment. *European Journal of Nutrition*, **2008**, 47, 387-92	5.2	29
134	Point: Interleukin-6 does have a beneficial role in insulin sensitivity and glucose homeostasis. *Journal of Applied Physiology*, **2007**, 102, 814-6	3.7	129
133	Last Word on Point:Counterpoint Interleukin-6 does/does not have a beneficial role in insulin sensitivity and glucose homoestasis *Journal of Applied Physiology*, **2007**, 102, 825-825	3.7	
132	Hepatic lactate uptake versus leg lactate output during exercise in humans. *Journal of Applied Physiology*, **2007**, 103, 1227-33	3.7	31
131	Mechanisms of Stress-Induced Cellular Hsp72 Release **2007**, 31-37		3
130	FOXO1 regulates the expression of 4E-BP1 and inhibits mTOR signaling in mammalian skeletal muscle. *Journal of Biological Chemistry*, **2007**, 282, 21176-86	5.4	81
129	Tissue-specific effects of rosiglitazone and exercise in the treatment of lipid-induced insulin resistance. *Diabetes*, **2007**, 56, 1856-64	0.9	79
128	Effect of high-frequency resistance exercise on adaptive responses in skeletal muscle. *Medicine and Science in Sports and Exercise*, **2007**, 39, 2135-44	1.2	28
127	gp130 receptor ligands as potential therapeutic targets for obesity. *Journal of Clinical Investigation*, **2007**, 117, 841-9	15.9	91
126	Macrophage PPAR gamma is required for normal skeletal muscle and hepatic insulin sensitivity and full antidiabetic effects of thiazolidinediones. *Journal of Clinical Investigation*, **2007**, 117, 1658-69	15.9	380
125	Discordant gene expression in skeletal muscle and adipose tissue of patients with type 2 diabetes: effect of interleukin-6 infusion. *Diabetologia*, **2006**, 49, 1000-7	10.3	37
124	Stearoyl CoA desaturase 1 is elevated in obesity but protects against fatty acid-induced skeletal muscle insulin resistance in vitro. *Diabetologia*, **2006**, 49, 3027-37	10.3	80
123	Ciliary neurotrophic factor suppresses hypothalamic AMP-kinase signaling in leptin-resistant obese mice. *Endocrinology*, **2006**, 147, 3906-14	4.8	86
122	Ciliary neurotrophic factor prevents acute lipid-induced insulin resistance by attenuating ceramide accumulation and phosphorylation of c-Jun N-terminal kinase in peripheral tissues. *Endocrinology*, **2006**, 147, 2077-85	4.8	72
121	Interleukin-6 increases insulin-stimulated glucose disposal in humans and glucose uptake and fatty acid oxidation in vitro via AMP-activated protein kinase. *Diabetes*, **2006**, 55, 2688-97	0.9	573
120	Saturated, but not n-6 polyunsaturated, fatty acids induce insulin resistance: role of intramuscular accumulation of lipid metabolites. *Journal of Applied Physiology*, **2006**, 100, 1467-74	3.7	242
119	Apoptosis in skeletal muscle myotubes is induced by ceramides and is positively related to insulin resistance. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E1341-50	6	124

118	Chronic rosiglitazone treatment restores AMPKalpha2 activity in insulin-resistant rat skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E251-7	6	47
117	Regulation of HSL serine phosphorylation in skeletal muscle and adipose tissue. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E500-8	6	167
116	AMP-activated protein kinase--the fat controller of the energy railroad. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 655-65	2.4	57
115	Exercise and interleukin-6 action. *Expert Review of Endocrinology and Metabolism*, **2006**, 1, 319-321	4.1	6
114	Reduced glycogen availability is associated with increased AMPKalpha2 activity, nuclear AMPKalpha2 protein abundance, and GLUT4 mRNA expression in contracting human skeletal muscle. *Applied Physiology, Nutrition and Metabolism*, **2006**, 31, 302-12	3	69
113	Tumor necrosis factor alpha-induced skeletal muscle insulin resistance involves suppression of AMP-kinase signaling. *Cell Metabolism*, **2006**, 4, 465-74	24.6	331
112	Vitamin E isoform-specific inhibition of the exercise-induced heat shock protein 72 expression in humans. *Journal of Applied Physiology*, **2006**, 100, 1679-87	3.7	70
111	CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK. *Nature Medicine*, **2006**, 12, 541-8	50.5	226
110	Fatty acids stimulate AMP-activated protein kinase and enhance fatty acid oxidation in L6 myotubes. *Journal of Physiology*, **2006**, 574, 139-47	3.9	78
109	Exosome-dependent trafficking of HSP70: a novel secretory pathway for cellular stress proteins. *Journal of Biological Chemistry*, **2005**, 280, 23349-55	5.4	432
108	Skeletal muscle phenotype is associated with exercise tolerance in patients with peripheral arterial disease. *Journal of Vascular Surgery*, **2005**, 41, 802-7	3.5	100
107	Heat stress, cytokines, and the immune response to exercise. *Brain, Behavior, and Immunity*, **2005**, 19, 404-12	16.6	114
106	Muscle-derived interleukin-6--a possible link between skeletal muscle, adipose tissue, liver, and brain. *Brain, Behavior, and Immunity*, **2005**, 19, 371-6	16.6	141
105	Contraction-induced myokine production and release: is skeletal muscle an endocrine organ?. *Exercise and Sport Sciences Reviews*, **2005**, 33, 114-9	6.7	251
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