

Mark A Febbraio

List of Publications by Year in descending order

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Version: 2024-02-01

290
papers

33,415
citations

2215

99
h-index

4432

172
g-index

307
all docs

307
docs citations

307
times ranked

34911
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Muscles, exercise and obesity: skeletal muscle as a secretory organ. <i>Nature Reviews Endocrinology</i> , 2012, 8, 457-465. | 9.6 | 1,972 |
| 2 | Muscle as an Endocrine Organ: Focus on Muscle-Derived Interleukin-6. <i>Physiological Reviews</i> , 2008, 88, 1379-1406. | 28.8 | 1,683 |
| 3 | Muscle-derived interleukin-6: mechanisms for activation and possible biological roles. <i>FASEB Journal</i> , 2002, 16, 1335-1347. | 0.5 | 717 |
| 4 | Interleukin-6 Increases Insulin-Stimulated Glucose Disposal in Humans and Glucose Uptake and Fatty Acid Oxidation In Vitro via AMP-Activated Protein Kinase. <i>Diabetes</i> , 2006, 55, 2688-2697. | 0.6 | 699 |
| 5 | Exercise and IL-6 infusion inhibit endotoxin-induced TNF α production in humans. <i>FASEB Journal</i> , 2003, 17, 1-10. | 0.5 | 612 |
| 6 | Interleukin-6 Stimulates Lipolysis and Fat Oxidation in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 3005-3010. | 3.6 | 609 |
| 7 | Signaling by IL-6 promotes alternative activation of macrophages to limit endotoxemia and obesity-associated resistance to insulin. <i>Nature Immunology</i> , 2014, 15, 423-430. | 14.5 | 577 |
| 8 | 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. <i>Diabetologia</i> , 2009, 52, 1409-1418. | 6.3 | 535 |
| 9 | Reactive Oxygen Species Enhance Insulin Sensitivity. <i>Cell Metabolism</i> , 2009, 10, 260-272. | 16.2 | 509 |
| 10 | Exosome-dependent Trafficking of HSP70. <i>Journal of Biological Chemistry</i> , 2005, 280, 23349-23355. | 3.4 | 483 |
| 11 | HSP72 protects against obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1739-1744. | 7.1 | 477 |
| 12 | Extracellular Vesicles Provide a Means for Tissue Crosstalk during Exercise. <i>Cell Metabolism</i> , 2018, 27, 237-251.e4. | 16.2 | 426 |
| 13 | Macrophage PPAR γ is required for normal skeletal muscle and hepatic insulin sensitivity and full antidiabetic effects of thiazolidinediones. <i>Journal of Clinical Investigation</i> , 2007, 117, 1658-1669. | 8.2 | 413 |
| 14 | Tumor necrosis factor α -induced skeletal muscle insulin resistance involves suppression of AMP-kinase signaling. <i>Cell Metabolism</i> , 2006, 4, 465-474. | 16.2 | 363 |
| 15 | High-Density Lipoprotein Modulates Glucose Metabolism in Patients With Type 2 Diabetes Mellitus. <i>Circulation</i> , 2009, 119, 2103-2111. | 1.6 | 363 |
| 16 | Interleukin-6 Is a Novel Factor Mediating Glucose Homeostasis During Skeletal Muscle Contraction. <i>Diabetes</i> , 2004, 53, 1643-1648. | 0.6 | 352 |
| 17 | Interleukin-6 production in contracting human skeletal muscle is influenced by pre-exercise muscle glycogen content. <i>Journal of Physiology</i> , 2001, 537, 633-639. | 2.9 | 348 |
| 18 | Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. <i>Diabetologia</i> , 2013, 56, 1638-1648. | 6.3 | 339 |

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|----|---|------|-----------|
| 19 | The transcription factor IRF4 is essential for TCR affinity-mediated metabolic programming and clonal expansion of T cells. <i>Nature Immunology</i> , 2013, 14, 1155-1165. | 14.5 | 337 |
| 20 | Transcription Factor IRF4 Promotes CD8+ T Cell Exhaustion and Limits the Development of Memory-like T Cells during Chronic Infection. <i>Immunity</i> , 2017, 47, 1129-1141.e5. | 14.3 | 335 |
| 21 | IL-6 and TNF- α expression in, and release from, contracting human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E1272-E1278. | 3.5 | 322 |
| 22 | Intramuscular Heat Shock Protein 72 and Heme Oxygenase-1 mRNA Are Reduced in Patients With Type 2 Diabetes: Evidence That Insulin Resistance Is Associated With a Disturbed Antioxidant Defense Mechanism. <i>Diabetes</i> , 2003, 52, 2338-2345. | 0.6 | 310 |
| 23 | Evidence that TLR4 Is Not a Receptor for Saturated Fatty Acids but Mediates Lipid-Induced Inflammation by Reprogramming Macrophage Metabolism. <i>Cell Metabolism</i> , 2018, 27, 1096-1110.e5. | 16.2 | 309 |
| 24 | Contraction-Induced Myokine Production and Release: Is Skeletal Muscle an Endocrine Organ?. <i>Exercise and Sport Sciences Reviews</i> , 2005, 33, 114-119. | 3.0 | 306 |
| 25 | Overexpression of Carnitine Palmitoyltransferase-1 in Skeletal Muscle Is Sufficient to Enhance Fatty Acid Oxidation and Improve High-Fat Diet-induced Insulin Resistance. <i>Diabetes</i> , 2009, 58, 550-558. | 0.6 | 295 |
| 26 | Plasma Lysophosphatidylcholine Levels Are Reduced in Obesity and Type 2 Diabetes. <i>PLoS ONE</i> , 2012, 7, e41456. | 2.5 | 285 |
| 27 | Interleukin-6-deficient mice develop hepatic inflammation and systemic insulin resistance. <i>Diabetologia</i> , 2010, 53, 2431-2441. | 6.3 | 283 |
| 28 | Saturated, but not n-6 polyunsaturated, fatty acids induce insulin resistance: role of intramuscular accumulation of lipid metabolites. <i>Journal of Applied Physiology</i> , 2006, 100, 1467-1474. | 2.5 | 269 |
| 29 | Exerkines in health, resilience and disease. <i>Nature Reviews Endocrinology</i> , 2022, 18, 273-289. | 9.6 | 268 |
| 30 | Effects of heat stress on physiological responses and exercise performance in elite cyclists. <i>Journal of Science and Medicine in Sport</i> , 2000, 3, 186-193. | 1.3 | 250 |
| 31 | CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK. <i>Nature Medicine</i> , 2006, 12, 541-548. | 30.7 | 250 |
| 32 | Hsp72 preserves muscle function and slows progression of severe muscular dystrophy. <i>Nature</i> , 2012, 484, 394-398. | 27.8 | 243 |
| 33 | Acute IL-6 treatment increases fatty acid turnover in elderly humans in vivo and in tissue culture in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E155-E162. | 3.5 | 238 |
| 34 | Hedgehog Partial Agonism Drives Warburg-like Metabolism in Muscle and Brown Fat. <i>Cell</i> , 2012, 151, 414-426. | 28.9 | 237 |
| 35 | Exercise increases serum Hsp72 in humans. <i>Cell Stress and Chaperones</i> , 2001, 6, 386. | 2.9 | 236 |
| 36 | Skeletal myocytes are a source of interleukin-6 mRNA expression and protein release during contraction: evidence of fiber type specificity. <i>FASEB Journal</i> , 2004, 18, 992-994. | 0.5 | 227 |

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|----|--|------|-----------|
| 37 | Mitochondrial dysfunction in oocytes of obese mothers: transmission to offspring and reversal by pharmacological endoplasmic reticulum stress inhibitors. <i>Development (Cambridge)</i> , 2015, 142, 681-691. | 2.5 | 223 |
| 38 | Role of exercise-induced brain-derived neurotrophic factor production in the regulation of energy homeostasis in mammals. <i>Experimental Physiology</i> , 2009, 94, 1153-1160. | 2.0 | 217 |
| 39 | Effect of ambient temperature on human skeletal muscle metabolism during fatiguing submaximal exercise. <i>Journal of Applied Physiology</i> , 1999, 86, 902-908. | 2.5 | 214 |
| 40 | Blocking IL-6 trans-Signaling Prevents High-Fat Diet-Induced Adipose Tissue Macrophage Recruitment but Does Not Improve Insulin Resistance. <i>Cell Metabolism</i> , 2015, 21, 403-416. | 16.2 | 208 |
| 41 | The ever-expanding myokinome: discovery challenges and therapeutic implications. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 719-729. | 46.4 | 204 |
| 42 | Circulating monocytes are not the source of elevations in plasma IL-6 and TNF- α levels after prolonged running. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C769-C774. | 4.6 | 199 |
| 43 | Muscle metabolism during exercise and heat stress in trained men: effect of acclimation. <i>Journal of Applied Physiology</i> , 1994, 76, 589-597. | 2.5 | 197 |
| 44 | Regulation of HSL serine phosphorylation in skeletal muscle and adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E500-E508. | 3.5 | 197 |
| 45 | From cytokine to myokine: the emerging role of interleukin-6 in metabolic regulation. <i>Immunology and Cell Biology</i> , 2014, 92, 331-339. | 2.3 | 196 |
| 46 | Fetuin B Is a Secreted Hepatocyte Factor Linking Steatosis to Impaired Glucose Metabolism. <i>Cell Metabolism</i> , 2015, 22, 1078-1089. | 16.2 | 192 |
| 47 | Effect of heat stress on muscle energy metabolism during exercise. <i>Journal of Applied Physiology</i> , 1994, 77, 2827-2831. | 2.5 | 182 |
| 48 | Muscle-derived interleukin-6: lipolytic, anti-inflammatory and immune regulatory effects. <i>Pflügers Archiv European Journal of Physiology</i> , 2003, 446, 9-16. | 2.8 | 175 |
| 49 | Fructose stimulated de novo lipogenesis is promoted by inflammation. <i>Nature Metabolism</i> , 2020, 2, 1034-1045. | 11.9 | 174 |
| 50 | Cytokine response to eccentric exercise in young and elderly humans. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C289-C295. | 4.6 | 171 |
| 51 | Preclinical Models for Studying NASH-Driven HCC: How Useful Are They?. <i>Cell Metabolism</i> , 2019, 29, 18-26. | 16.2 | 169 |
| 52 | Carbohydrate ingestion attenuates the increase in plasma interleukin-6, but not skeletal muscle interleukin-6 mRNA, during exercise in humans. <i>Journal of Physiology</i> , 2001, 533, 585-591. | 2.9 | 167 |
| 53 | Follistatin-mediated skeletal muscle hypertrophy is regulated by Smad3 and mTOR independently of myostatin. <i>Journal of Cell Biology</i> , 2012, 197, 997-1008. | 5.2 | 167 |
| 54 | Muscle-derived interleukin-6: A possible link between skeletal muscle, adipose tissue, liver, and brain. <i>Brain, Behavior, and Immunity</i> , 2005, 19, 371-376. | 4.1 | 166 |

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|----|---|------|-----------|
| 55 | Neutrophil-derived S100 calcium-binding proteins A8/A9 promote reticulated thrombocytosis and atherogenesis in diabetes. <i>Journal of Clinical Investigation</i> , 2017, 127, 2133-2147. | 8.2 | 166 |
| 56 | Preexercise carbohydrate ingestion, glucose kinetics, and muscle glycogen use: effect of the glycemic index. <i>Journal of Applied Physiology</i> , 2000, 89, 1845-1851. | 2.5 | 165 |
| 57 | PI3K(p110 α) Protects Against Myocardial Infarction-Induced Heart Failure. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 724-732. | 2.4 | 160 |
| 58 | Role of IL-6 in Exercise Training- and Cold-Induced UCP1 Expression in Subcutaneous White Adipose Tissue. <i>PLoS ONE</i> , 2014, 9, e84910. | 2.5 | 158 |
| 59 | The immunomodulating role of exercise in metabolic disease. <i>Trends in Immunology</i> , 2014, 35, 262-269. | 6.8 | 157 |
| 60 | Glucose Ingestion Attenuates Interleukin-6 Release from Contracting Skeletal Muscle in Humans. <i>Journal of Physiology</i> , 2003, 549, 607-612. | 2.9 | 154 |
| 61 | Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. <i>Molecular Metabolism</i> , 2016, 5, 699-708. | 6.5 | 154 |
| 62 | Effect of fat adaptation and carbohydrate restoration on metabolism and performance during prolonged cycling. <i>Journal of Applied Physiology</i> , 2000, 89, 2413-2421. | 2.5 | 153 |
| 63 | Exercise induces hepatosplanchnic release of heat shock protein 72 in humans. <i>Journal of Physiology</i> , 2002, 544, 957-962. | 2.9 | 153 |
| 64 | Activating HSP72 in Rodent Skeletal Muscle Increases Mitochondrial Number and Oxidative Capacity and Decreases Insulin Resistance. <i>Diabetes</i> , 2014, 63, 1881-1894. | 0.6 | 153 |
| 65 | Exercise Induces a Marked Increase in Plasma Follistatin: Evidence That Follistatin Is a Contraction-Induced Hepatokine. <i>Endocrinology</i> , 2011, 152, 164-171. | 2.8 | 152 |
| 66 | Effect of ovarian hormones on mitochondrial enzyme activity in the fat oxidation pathway of skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E803-E808. | 3.5 | 150 |
| 67 | Interleukin-6 does/does not have a beneficial role in insulin sensitivity and glucose homeostasis. <i>Journal of Applied Physiology</i> , 2007, 102, 814-816. | 2.5 | 148 |
| 68 | Integrated control of hepatic lipogenesis versus glucose production requires FoxO transcription factors. <i>Nature Communications</i> , 2014, 5, 5190. | 12.8 | 148 |
| 69 | HSP72 gene expression progressively increases in human skeletal muscle during prolonged, exhaustive exercise. <i>Journal of Applied Physiology</i> , 2000, 89, 1055-1060. | 2.5 | 147 |
| 70 | Interleukin-6 and tumor necrosis factor- α are not increased in patients with Type 2 diabetes: evidence that plasma interleukin-6 is related to fat mass and not insulin responsiveness. <i>Diabetologia</i> , 2004, 47, 1029-37. | 6.3 | 147 |
| 71 | Myeloid-specific estrogen receptor α deficiency impairs metabolic homeostasis and accelerates atherosclerotic lesion development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16457-16462. | 7.1 | 147 |
| 72 | Apoptosis in skeletal muscle myotubes is induced by ceramides and is positively related to insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E1341-E1350. | 3.5 | 146 |

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|----|---|------|-----------|
| 73 | Effects of carbohydrate ingestion before and during exercise on glucose kinetics and performance. <i>Journal of Applied Physiology</i> , 2000, 89, 2220-2226. | 2.5 | 145 |
| 74 | Influence of sprint training on human skeletal muscle purine nucleotide metabolism. <i>Journal of Applied Physiology</i> , 1994, 76, 1802-1809. | 2.5 | 143 |
| 75 | Sex-specific adipose tissue imprinting of regulatory T cells. <i>Nature</i> , 2020, 579, 581-585. | 27.8 | 141 |
| 76 | Reduced glycogen availability is associated with an elevation in HSP72 in contracting human skeletal muscle. <i>Journal of Physiology</i> , 2002, 538, 911-917. | 2.9 | 135 |
| 77 | IL-18 Production from the NLRP1 Inflammasome Prevents Obesity and Metabolic Syndrome. <i>Cell Metabolism</i> , 2016, 23, 155-164. | 16.2 | 133 |
| 78 | Effect of epinephrine on muscle glycogenolysis during exercise in trained men. <i>Journal of Applied Physiology</i> , 1998, 84, 465-470. | 2.5 | 131 |
| 79 | Adrenaline increases skeletal muscle glycogenolysis, pyruvate dehydrogenase activation and carbohydrate oxidation during moderate exercise in humans. <i>Journal of Physiology</i> , 2001, 534, 269-278. | 2.9 | 131 |
| 80 | Heat stress, cytokines, and the immune response to exercise. <i>Brain, Behavior, and Immunity</i> , 2005, 19, 404-412. | 4.1 | 130 |
| 81 | Effect of creatine supplementation on intramuscular TCr, metabolism and performance during intermittent, supramaximal exercise in humans. <i>Acta Physiologica Scandinavica</i> , 1995, 155, 387-395. | 2.2 | 127 |
| 82 | Glucose kinetics and exercise performance during phases of the menstrual cycle: effect of glucose ingestion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E817-E825. | 3.5 | 126 |
| 83 | Overexpression of Sphingosine Kinase 1 Prevents Ceramide Accumulation and Ameliorates Muscle Insulin Resistance in High-Fat Diet-Fed Mice. <i>Diabetes</i> , 2012, 61, 3148-3155. | 0.6 | 126 |
| 84 | Muscle metabolites and performance during high-intensity, intermittent exercise. <i>Journal of Applied Physiology</i> , 1998, 84, 1687-1691. | 2.5 | 125 |
| 85 | Suppression of plasma free fatty acids upregulates peroxisome proliferator-activated receptor (PPAR) α and γ and PPAR coactivator 1 α in human skeletal muscle, but not lipid regulatory genes. <i>Journal of Molecular Endocrinology</i> , 2004, 33, 533-544. | 2.5 | 125 |
| 86 | Alterations in Energy Metabolism During Exercise and Heat Stress. <i>Sports Medicine</i> , 2001, 31, 47-59. | 6.5 | 124 |
| 87 | Skeletal muscle phenotype is associated with exercise tolerance in patients with peripheral arterial disease. <i>Journal of Vascular Surgery</i> , 2005, 41, 802-807. | 1.1 | 124 |
| 88 | Cytokine gene expression in human skeletal muscle during concentric contraction: evidence that IL-8, like IL-6, is influenced by glycogen availability. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R322-R327. | 1.8 | 122 |
| 89 | Interleukin-6 and insulin sensitivity: friend or foe?. <i>Diabetologia</i> , 2004, 47, 1135-1142. | 6.3 | 119 |
| 90 | Phosphoinositide 3-Kinase p110 α Is a Master Regulator of Exercise-Induced Cardioprotection and PI3K Gene Therapy Rescues Cardiac Dysfunction. <i>Circulation: Heart Failure</i> , 2012, 5, 523-534. | 3.9 | 115 |

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|-----|---|------|-----------|
| 91 | Effect of the ovarian hormones on GLUT4 expression and contraction-stimulated glucose uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1139-E1146. | 3.5 | 110 |
| 92 | Phosphoinositide 3-kinase as a novel functional target for the regulation of the insulin signaling pathway by SIRT1. <i>Molecular and Cellular Endocrinology</i> , 2011, 335, 166-176. | 3.2 | 109 |
| 93 | HSP72 Is a Mitochondrial Stress Sensor Critical for Parkin Action, Oxidative Metabolism, and Insulin Sensitivity in Skeletal Muscle. <i>Diabetes</i> , 2014, 63, 1488-1505. | 0.6 | 108 |
| 94 | Effect of heat stress on glucose kinetics during exercise. <i>Journal of Applied Physiology</i> , 1996, 81, 1594-1597. | 2.5 | 107 |
| 95 | Acute interleukin-6 administration does not impair muscle glucose uptake or whole-body glucose disposal in healthy humans. <i>Journal of Physiology</i> , 2003, 548, 631-638. | 2.9 | 106 |
| 96 | gp130 receptor ligands as potential therapeutic targets for obesity. <i>Journal of Clinical Investigation</i> , 2007, 117, 841-849. | 8.2 | 105 |
| 97 | CHO feeding before prolonged exercise: effect of glycemic index on muscle glycogenolysis and exercise performance. <i>Journal of Applied Physiology</i> , 1996, 81, 1115-1120. | 2.5 | 102 |
| 98 | Effect of prolonged, submaximal exercise and carbohydrate ingestion on monocyte intracellular cytokine production in humans. <i>Journal of Physiology</i> , 2000, 528, 647-655. | 2.9 | 102 |
| 99 | Altering dietary nutrient intake that reduces glycogen content leads to phosphorylation of nuclear p38 MAP kinase in human skeletal muscle: association with IL6 gene transcription during contraction. <i>FASEB Journal</i> , 2004, 18, 1785-1787. | 0.5 | 100 |
| 100 | Deletion of macrophage migration inhibitory factor protects the heart from severe ischemia-reperfusion injury: A predominant role of anti-inflammation. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 991-999. | 1.9 | 99 |
| 101 | Role of interleukins in obesity: implications for metabolic disease. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 312-319. | 7.1 | 99 |
| 102 | Influence of elevated muscle temperature on metabolism during intense, dynamic exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1996, 271, R1251-R1255. | 1.8 | 97 |
| 103 | Metabolic communication during exercise. <i>Nature Metabolism</i> , 2020, 2, 805-816. | 11.9 | 97 |
| 104 | Examination of lipotoxicity in skeletal muscle of high-fat fed and obese mice. <i>Journal of Physiology</i> , 2009, 587, 1593-1605. | 2.9 | 95 |
| 105 | Adipose Triglyceride Lipase-Null Mice Are Resistant to High-Fat Diet-Induced Insulin Resistance Despite Reduced Energy Expenditure and Ectopic Lipid Accumulation. <i>Endocrinology</i> , 2011, 152, 48-58. | 2.8 | 94 |
| 106 | The roles of c-Jun NH ₂ -terminal kinases (JNKs) in obesity and insulin resistance. <i>Journal of Physiology</i> , 2016, 594, 267-279. | 2.9 | 94 |
| 107 | Ciliary Neurotrophic Factor Suppresses Hypothalamic AMP-Kinase Signaling in Leptin-Resistant Obese Mice. <i>Endocrinology</i> , 2006, 147, 3906-3914. | 2.8 | 92 |
| 108 | Fatty acids stimulate AMP-activated protein kinase and enhance fatty acid oxidation in L6 myotubes. <i>Journal of Physiology</i> , 2006, 574, 139-147. | 2.9 | 91 |

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|-----|--|------|-----------|
| 109 | Effect of pre-cooling, with and without thigh cooling, on strain and endurance exercise performance in the heat. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 128, 667-677. | 1.8 | 89 |
| 110 | FOXO1 Regulates the Expression of 4E-BP1 and Inhibits mTOR Signaling in Mammalian Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2007, 282, 21176-21186. | 3.4 | 89 |
| 111 | Effect of carbohydrate or carbohydrate plus medium-chain triglyceride ingestion on cycling time trial performance. <i>Journal of Applied Physiology</i> , 2000, 88, 113-119. | 2.5 | 88 |
| 112 | Stearoyl CoA desaturase 1 is elevated in obesity but protects against fatty acid-induced skeletal muscle insulin resistance in vitro. <i>Diabetologia</i> , 2006, 49, 3027-3037. | 6.3 | 88 |
| 113 | Contraction-induced Interleukin-6 Gene Transcription in Skeletal Muscle Is Regulated by c-Jun Terminal Kinase/Activator Protein-1. <i>Journal of Biological Chemistry</i> , 2012, 287, 10771-10779. | 3.4 | 87 |
| 114 | Chaperoning to the metabolic party: The emerging therapeutic role of heat-shock proteins in obesity and type 2 diabetes. <i>Molecular Metabolism</i> , 2014, 3, 781-793. | 6.5 | 87 |
| 115 | Exercise induces the release of heat shock protein 72 from the human brain in vivo. <i>Cell Stress and Chaperones</i> , 2004, 9, 276. | 2.9 | 87 |
| 116 | Site-Specific Antiatherogenic Effect of the Antioxidant Ebselen in the Diabetic Apolipoprotein E ϵ Deficient Mouse. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 823-830. | 2.4 | 86 |
| 117 | The small-molecule BGP-15 protects against heart failure and atrial fibrillation in mice. <i>Nature Communications</i> , 2014, 5, 5705. | 12.8 | 86 |
| 118 | Tissue-Specific Effects of Rosiglitazone and Exercise in the Treatment of Lipid-Induced Insulin Resistance. <i>Diabetes</i> , 2007, 56, 1856-1864. | 0.6 | 85 |
| 119 | Reduced plasma FFA availability increases net triacylglycerol degradation, but not GPAT or HSL activity, in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E120-E127. | 3.5 | 84 |
| 120 | Reduced glycogen availability is associated with increased AMPK α 2 activity, nuclear AMPK α 2 protein abundance, and GLUT4 mRNA expression in contracting human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006, 31, 302-312. | 1.9 | 83 |
| 121 | The CDP-Ethanolamine Pathway Regulates Skeletal Muscle Diacylglycerol Content and Mitochondrial Biogenesis without Altering Insulin Sensitivity. <i>Cell Metabolism</i> , 2015, 21, 718-730. | 16.2 | 83 |
| 122 | Health benefits of exercise "more than meets the eye!". <i>Nature Reviews Endocrinology</i> , 2017, 13, 72-74. | 9.6 | 83 |
| 123 | Vitamin E isoform-specific inhibition of the exercise-induced heat shock protein 72 expression in humans. <i>Journal of Applied Physiology</i> , 2006, 100, 1679-1687. | 2.5 | 77 |
| 124 | Glucose ingestion attenuates the exercise-induced increase in circulating heat shock protein 72 and heat shock protein 60 in humans. <i>Cell Stress and Chaperones</i> , 2004, 9, 390. | 2.9 | 77 |
| 125 | 17 β -estradiol upregulates the expression of peroxisome proliferator-activated receptor α and lipid oxidative genes in skeletal muscle. <i>Journal of Molecular Endocrinology</i> , 2003, 31, 37-45. | 2.5 | 76 |
| 126 | Ciliary Neurotrophic Factor Prevents Acute Lipid-Induced Insulin Resistance by Attenuating Ceramide Accumulation and Phosphorylation of c-Jun N-Terminal Kinase in Peripheral Tissues. <i>Endocrinology</i> , 2006, 147, 2077-2085. | 2.8 | 76 |

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|-----|--|------|-----------|
| 127 | Maternal obesity and diabetes induces latent metabolic defects and widespread epigenetic changes in isogenic mice. <i>Epigenetics</i> , 2013, 8, 602-611. | 2.7 | 75 |
| 128 | Glycogen availability does not affect the TCA cycle or TAN pools during prolonged, fatiguing exercise. <i>Journal of Applied Physiology</i> , 2003, 94, 2181-2187. | 2.5 | 73 |
| 129 | Muscle metabolism during sprint exercise in man: influence of sprint training. <i>Journal of Science and Medicine in Sport</i> , 2004, 7, 314-322. | 1.3 | 73 |
| 130 | Interleukin-18 Activates Skeletal Muscle AMPK and Reduces Weight Gain and Insulin Resistance in Mice. <i>Diabetes</i> , 2013, 62, 3064-3074. | 0.6 | 71 |
| 131 | Membrane-Lipid Therapy in Operation: The HSP Co-Inducer BGP-15 Activates Stress Signal Transduction Pathways by Remodeling Plasma Membrane Rafts. <i>PLoS ONE</i> , 2011, 6, e28818. | 2.5 | 71 |
| 132 | Skeletal muscle interleukin-6 and tumor necrosis factor- α release in healthy subjects and patients with type 2 diabetes at rest and during exercise. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 939-944. | 3.4 | 69 |
| 133 | Adipose tissue inflammation in glucose metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 31-44. | 5.7 | 69 |
| 134 | β -adrenergic stimulation of skeletal muscle HSL can be overridden by AMPK signaling. <i>FASEB Journal</i> , 2004, 18, 1445-1446. | 0.5 | 68 |
| 135 | Disruption of the Class IIa HDAC Corepressor Complex Increases Energy Expenditure and Lipid Oxidation. <i>Cell Reports</i> , 2016, 16, 2802-2810. | 6.4 | 68 |
| 136 | "Sweet death": Fructose as a metabolic toxin that targets the gut-liver axis. <i>Cell Metabolism</i> , 2021, 33, 2316-2328. | 16.2 | 68 |
| 137 | Blunting the rise in body temperature reduces muscle glycogenolysis during exercise in humans. <i>Experimental Physiology</i> , 1996, 81, 685-693. | 2.0 | 67 |
| 138 | AMP-activated protein kinase "the fat controller of the energy railroad" This paper is one of a selection of papers published in this Special issue, entitled Second Messengers and Phosphoproteins" 12th International Conference.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 655-665. | 1.4 | 66 |
| 139 | Effect of training status and relative exercise intensity on physiological responses in men. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 1648-1654. | 0.4 | 65 |
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| 290 | NF κ B1 is essential to prevent the development of multiorgan autoimmunity by limiting IL-6 production in follicular B cells. <i>Journal of Cell Biology</i> , 2016, 213, 2131-2146. | 5.2 | 0 |