# Bruce M Spiegelman

## List of Publications by Citations



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| 153 papers | 70,843 citations | 92 h-index | 164 g-index |
| 164 ext. papers | 79,640 ext. citations | 25.6 avg, IF | 7.82 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 153 | PGC-1alpha-responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. *Nature Genetics*, **2003**, 34, 267-73 | 36.3 | 5810 |
| 152 | Mechanisms controlling mitochondrial biogenesis and respiration through the thermogenic coactivator PGC-1. *Cell*, **1999**, 98, 115-24 | 56.2 | 3085 |
| 151 | Stimulation of adipogenesis in fibroblasts by PPAR gamma 2, a lipid-activated transcription factor. *Cell*, **1994**, 79, 1147-56 | 56.2 | 3010 |
| 150 | A cold-inducible coactivator of nuclear receptors linked to adaptive thermogenesis. *Cell*, **1998**, 92, 829-39 | 56.2 | 2982 |
| 149 | A PGC1-□dependent myokine that drives brown-fat-like development of white fat and thermogenesis. *Nature*, **2012**, 481, 463-8 | 50.4 | 2762 |
| 148 | 15-Deoxy-delta 12, 14-prostaglandin J2 is a ligand for the adipocyte determination factor PPAR gamma. *Cell*, **1995**, 83, 803-12 | 56.2 | 2642 |
| 147 | Beige adipocytes are a distinct type of thermogenic fat cell in mouse and human. *Cell*, **2012**, 150, 366-76 | 56.2 | 2197 |
| 146 | Transcriptional co-activator PGC-1 alpha drives the formation of slow-twitch muscle fibres. *Nature*, **2002**, 418, 797-801 | 50.4 | 1962 |
| 145 | Obesity and the regulation of energy balance. *Cell*, **2001**, 104, 531-43 | 56.2 | 1871 |
| 144 | PRDM16 controls a brown fat/skeletal muscle switch. *Nature*, **2008**, 454, 961-7 | 50.4 | 1645 |
| 143 | Peroxisome proliferator-activated receptor-gamma coactivator 1 alpha (PGC-1 alpha): transcriptional coactivator and metabolic regulator. *Endocrine Reviews*, **2003**, 24, 78-90 | 27.2 | 1588 |
| 142 | PPAR gamma is required for the differentiation of adipose tissue in vivo and in vitro. *Molecular Cell*, **1999**, 4, 611-7 | 17.6 | 1587 |
| 141 | Adipocytes as regulators of energy balance and glucose homeostasis. *Nature*, **2006**, 444, 847-53 | 50.4 | 1535 |
| 140 | Fat and beyond: the diverse biology of PPARgamma. *Annual Review of Biochemistry*, **2008**, 77, 289-312 | 29.1 | 1484 |
| 139 | Control of hepatic gluconeogenesis through the transcriptional coactivator PGC-1. *Nature*, **2001**, 413, 131-8 | 50.4 | 1480 |
| 138 | What we talk about when we talk about fat. *Cell*, **2014**, 156, 20-44 | 56.2 | 1319 |
| 137 | Towards a molecular understanding of adaptive thermogenesis. *Nature*, **2000**, 404, 652-60 | 50.4 | 1259 |

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|---|---|---|---|
| 136 | Adipogenesis and obesity: rounding out the big picture. *Cell*, **1996**, 87, 377-89 | 56.2 | 1111 |
| 135 | CREB regulates hepatic gluconeogenesis through the coactivator PGC-1. *Nature*, **2001**, 413, 179-83 | 50.4 | 1107 |
| 134 | FGF21 regulates PGC-1α and browning of white adipose tissues in adaptive thermogenesis. *Genes and Development*, **2012**, 26, 271-81 | 12.6 | 1033 |
| 133 | Molecular regulation of adipogenesis. *Annual Review of Cell and Developmental Biology*, **2000**, 16, 145-71 | 12.6 | 1031 |
| 132 | C/EBPalpha induces adipogenesis through PPARgamma: a unified pathway. *Genes and Development* , **2002**, 16, 22-6 | 12.6 | 992 |
| 131 | Defects in adaptive energy metabolism with CNS-linked hyperactivity in PGC-1alpha null mice. *Cell*, **2004**, 119, 121-35 | 56.2 | 957 |
| 130 | Differentiation and reversal of malignant changes in colon cancer through PPARgamma. *Nature Medicine*, **1998**, 4, 1046-52 | 50.5 | 867 |
| 129 | Peroxisome proliferator-activated receptor gamma coactivator 1 coactivators, energy homeostasis, and metabolism. *Endocrine Reviews*, **2006**, 27, 728-35 | 27.2 | 859 |
| 128 | Prdm16 determines the thermogenic program of subcutaneous white adipose tissue in mice. *Journal of Clinical Investigation*, **2011**, 121, 96-105 | 15.9 | 857 |
| 127 | Transcriptional control of brown fat determination by PRDM16. *Cell Metabolism*, **2007**, 6, 38-54 | 24.6 | 827 |
| 126 | Cross-regulation of C/EBP alpha and PPAR gamma controls the transcriptional pathway of adipogenesis and insulin sensitivity. *Molecular Cell*, **1999**, 3, 151-8 | 17.6 | 802 |
| 125 | Terminal differentiation of human breast cancer through PPAR gamma. *Molecular Cell*, **1998**, 1, 465-70 | 17.6 | 719 |
| 124 | PAX8-PPARgamma1 fusion oncogene in human thyroid carcinoma [corrected]. *Science*, **2000**, 289, 1357-60 | 33.3 | 719 |
| 123 | PGC-1alpha protects skeletal muscle from atrophy by suppressing FoxO3 action and atrophy-specific gene transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 16260-5 | 11.5 | 708 |
| 122 | Exercise induces hippocampal BDNF through a PGC-1α/FNDC5 pathway. *Cell Metabolism*, **2013**, 18, 649-59 | 24.6 | 656 |
| 121 | Anti-diabetic drugs inhibit obesity-linked phosphorylation of PPARgamma by Cdk5. *Nature*, **2010**, 466, 451-6 | 50.4 | 654 |
| 120 | Molecular mechanisms of cancer development in obesity. *Nature Reviews Cancer*, **2011**, 11, 886-95 | 31.3 | 606 |
| 119 | Adaptive thermogenesis in adipocytes: is beige the new brown?. *Genes and Development*, **2013**, 27, 234-50 | 12.6 | 585 |

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|---|---|---|---|
| 118 | Ablation of PRDM16 and beige adipose causes metabolic dysfunction and a subcutaneous to visceral fat switch. *Cell*, **2014**, 156, 304-16 | 56.2 | 569 |
| 117 | Brown and Beige Fat: Physiological Roles beyond Heat Generation. *Cell Metabolism*, **2015**, 22, 546-59 | 24.6 | 545 |
| 116 | Meteorin-like is a hormone that regulates immune-adipose interactions to increase beige fat thermogenesis. *Cell*, **2014**, 157, 1279-1291 | 56.2 | 540 |
| 115 | PPAR agonists induce a white-to-brown fat conversion through stabilization of PRDM16 protein. *Cell Metabolism*, **2012**, 15, 395-404 | 24.6 | 532 |
| 114 | Transcriptional coactivator PGC-1 alpha controls the energy state and contractile function of cardiac muscle. *Cell Metabolism*, **2005**, 1, 259-71 | 24.6 | 532 |
| 113 | Initiation of myoblast to brown fat switch by a PRDM16-C/EBP-beta transcriptional complex. *Nature*, **2009**, 460, 1154-8 | 50.4 | 528 |
| 112 | Complementary action of the PGC-1 coactivators in mitochondrial biogenesis and brown fat differentiation. *Cell Metabolism*, **2006**, 3, 333-41 | 24.6 | 469 |
| 111 | Skeletal muscle fiber-type switching, exercise intolerance, and myopathy in PGC-1alpha muscle-specific knock-out animals. *Journal of Biological Chemistry*, **2007**, 282, 30014-21 | 5.4 | 443 |
| 110 | Loss-of-function mutations in PPAR gamma associated with human colon cancer. *Molecular Cell*, **1999**, 3, 799-804 | 17.6 | 438 |
| 109 | A PGC-1 isoform induced by resistance training regulates skeletal muscle hypertrophy. *Cell*, **2012**, 151, 1319-31 | 56.2 | 431 |
| 108 | The role of PPAR-gamma in macrophage differentiation and cholesterol uptake. *Nature Medicine*, **2001**, 7, 41-7 | 50.5 | 427 |
| 107 | p38 mitogen-activated protein kinase is the central regulator of cyclic AMP-dependent transcription of the brown fat uncoupling protein 1 gene. *Molecular and Cellular Biology*, **2004**, 24, 3057-67 | 4.8 | 410 |
| 106 | A creatine-driven substrate cycle enhances energy expenditure and thermogenesis in beige fat. *Cell* , **2015**, 163, 643-55 | 56.2 | 405 |
| 105 | Antidiabetic actions of a non-agonist PPAR ligand blocking Cdk5-mediated phosphorylation. *Nature*, **2011**, 477, 477-81 | 50.4 | 404 |
| 104 | Tumour-derived PTH-related protein triggers adipose tissue browning and cancer cachexia. *Nature*, **2014**, 513, 100-4 | 50.4 | 371 |
| 103 | Aminoisobutyric acid induces browning of white fat and hepatic oxidation and is inversely correlated with cardiometabolic risk factors. *Cell Metabolism*, **2014**, 19, 96-108 | 24.6 | 369 |
| 102 | Transcriptional control of preadipocyte determination by Zfp423. *Nature*, **2010**, 464, 619-23 | 50.4 | 368 |
| 101 | Regulation of the brown and white fat gene programs through a PRDM16/CtBP transcriptional complex. *Genes and Development*, **2008**, 22, 1397-409 | 12.6 | 340 |

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|---|---|---|---|
| 100 | Adipocyte-specific transcription factor ARF6 is a heterodimeric complex of two nuclear hormone receptors, PPAR gamma and RXR alpha. *Nucleic Acids Research*, **1994**, 22, 5628-34 | 20.1 | 318 |
| 99 | Detection and Quantitation of Circulating Human Irisin by Tandem Mass Spectrometry. *Cell Metabolism*, **2015**, 22, 734-740 | 24.6 | 310 |
| 98 | Adipose tissue reduction in mice lacking the translational inhibitor 4E-BP1. *Nature Medicine*, **2001**, 7, 1128-32 | 50.5 | 310 |
| 97 | Zfp423 expression identifies committed preadipocytes and localizes to adipose endothelial and perivascular cells. *Cell Metabolism*, **2012**, 15, 230-9 | 24.6 | 308 |
| 96 | Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimer? mouse model. *Science*, **2018**, 361, | 33.3 | 302 |
| 95 | A smooth muscle-like origin for beige adipocytes. *Cell Metabolism*, **2014**, 19, 810-20 | 24.6 | 294 |
| 94 | Degradation of the peroxisome proliferator-activated receptor gamma is linked to ligand-dependent activation. *Journal of Biological Chemistry*, **2000**, 275, 18527-33 | 5.4 | 293 |
| 93 | Biological control through regulated transcriptional coactivators. *Cell*, **2004**, 119, 157-67 | 56.2 | 279 |
| 92 | PGC-1alpha regulates the neuromuscular junction program and ameliorates Duchenne muscular dystrophy. *Genes and Development*, **2007**, 21, 770-83 | 12.6 | 262 |
| 91 | Mitochondrial ROS regulate thermogenic energy expenditure and sulfenylation of UCP1. *Nature*, **2016**, 532, 112-6 | 50.4 | 251 |
| 90 | TRPV4 is a regulator of adipose oxidative metabolism, inflammation, and energy homeostasis. *Cell*, **2012**, 151, 96-110 | 56.2 | 243 |
| 89 | New Advances in Adaptive Thermogenesis: UCP1 and Beyond. *Cell Metabolism*, **2019**, 29, 27-37 | 24.6 | 230 |
| 88 | Development of insulin resistance in mice lacking PGC-1 in adipose tissues. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9635-40 | 11.5 | 221 |
| 87 | Transcriptional control of brown adipocyte development and physiological function--of mice and men. *Genes and Development*, **2009**, 23, 788-97 | 12.6 | 220 |
| 86 | Adipsin is an adipokine that improves cell function in diabetes. *Cell*, **2014**, 158, 41-53 | 56.2 | 217 |
| 85 | Irisin Mediates Effects on Bone and Fat via V Integrin Receptors. *Cell*, **2018**, 175, 1756-1768.e17 | 56.2 | 207 |
| 84 | An ERK/Cdk5 axis controls the diabetogenic actions of PPAR *Nature*, **2015**, 517, 391-5 | 50.4 | 196 |
| 83 | Use of the peroxisome proliferator-activated receptor (PPAR) gamma ligand troglitazone as treatment for refractory breast cancer: a phase II study. *Breast Cancer Research and Treatment*, **2003**, 79, 391-7 | 4.4 | 195 |

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| 82 | Functional antagonism between CCAAT/Enhancer binding protein-alpha and peroxisome proliferator-activated receptor-gamma on the leptin promoter. *Journal of Biological Chemistry*, **1997**, 272, 5283-90 | 5.4 | 193 |
| 81 | TNF- and insulin resistance: Summary and future prospects **1998**, 182, 169-175 | | 193 |
| 80 | Fat cells directly sense temperature to activate thermogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12480-5 | 11.5 | 183 |
| 79 | IRF4 is a key thermogenic transcriptional partner of PGC-1 *Cell*, **2014**, 158, 69-83 | 56.2 | 173 |
| 78 | Modulation of estrogen receptor-alpha transcriptional activity by the coactivator PGC-1. *Journal of Biological Chemistry*, **2000**, 275, 16302-8 | 5.4 | 172 |
| 77 | Brown and Beige Fat: Molecular Parts of a Thermogenic Machine. *Diabetes*, **2015**, 64, 2346-51 | 0.9 | 171 |
| 76 | PTH/PTHrP Receptor Mediates Cachexia in Models of Kidney Failure and Cancer. *Cell Metabolism*, **2016**, 23, 315-23 | 24.6 | 154 |
| 75 | The Secreted Enzyme PM20D1 Regulates Lipidated Amino Acid Uncouplers of Mitochondria. *Cell*, **2016**, 166, 424-435 | 56.2 | 140 |
| 74 | Mitochondrial Patch Clamp of Beige Adipocytes Reveals UCP1-Positive and UCP1-Negative Cells Both Exhibiting Futile Creatine Cycling. *Cell Metabolism*, **2017**, 25, 811-822.e4 | 24.6 | 132 |
| 73 | Elevated PGC-1 activity sustains mitochondrial biogenesis and muscle function without extending survival in a mouse model of inherited ALS. *Cell Metabolism*, **2012**, 15, 778-86 | 24.6 | 130 |
| 72 | Genetic Depletion of Adipocyte Creatine Metabolism Inhibits Diet-Induced Thermogenesis and Drives Obesity. *Cell Metabolism*, **2017**, 26, 660-671.e3 | 24.6 | 116 |
| 71 | Rosiglitazone versus placebo for men with prostate carcinoma and a rising serum prostate-specific antigen level after radical prostatectomy and/or radiation therapy. *Cancer*, **2004**, 101, 1569-74 | 6.4 | 116 |
| 70 | Appearance and disappearance of the mRNA signature characteristic of Treg cells in visceral adipose tissue: age, diet, and PPAR effects. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 482-7 | 11.5 | 115 |
| 69 | Transcriptional activation of adipogenesis. *Current Opinion in Cell Biology*, **1999**, 11, 689-94 | 9 | 115 |
| 68 | Synergy between PPARgamma ligands and platinum-based drugs in cancer. *Cancer Cell*, **2007**, 11, 395-406 | 24.3 | 112 |
| 67 | 1-Butyryl-glycerol: a novel angiogenesis factor secreted by differentiating adipocytes. *Cell*, **1990**, 61, 223-30 | 56.2 | 110 |
| 66 | Cell biology of fat storage. *Molecular Biology of the Cell*, **2016**, 27, 2523-7 | 3.5 | 104 |
| 65 | Banting Lecture 2012: Regulation of adipogenesis: toward new therapeutics for metabolic disease. *Diabetes*, **2013**, 62, 1774-82 | 0.9 | 101 |

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| 64 | PGC-1alpha regulates a HIF2alpha-dependent switch in skeletal muscle fiber types. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21866-71 | 11.5 | 98 |
| 63 | Transcriptional control of mitochondrial energy metabolism through the PGC1 coactivators. *Novartis Foundation Symposium*, **2007**, 287, 60-3; discussion 63-9 | | 98 |
| 62 | H transport is an integral function of the mitochondrial ADP/ATP carrier. *Nature*, **2019**, 571, 515-520 | 50.4 | 96 |
| 61 | A Secreted Slit2 Fragment Regulates Adipose Tissue Thermogenesis and Metabolic Function. *Cell Metabolism*, **2016**, 23, 454-66 | 24.6 | 92 |
| 60 | Transcriptional Control of Mitochondrial Energy Metabolism through the PGC1 Coactivators. *Novartis Foundation Symposium*,60-69 | | 88 |
| 59 | Brown Adipose Tissue Controls Skeletal Muscle Function via the Secretion of Myostatin. *Cell Metabolism*, **2018**, 28, 631-643.e3 | 24.6 | 87 |
| 58 | UCP1 deficiency causes brown fat respiratory chain depletion and sensitizes mitochondria to calcium overload-induced dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7981-7986 | 11.5 | 86 |
| 57 | A novel therapeutic approach to treating obesity through modulation of TGF signaling. *Endocrinology*, **2012**, 153, 3133-46 | 4.8 | 80 |
| 56 | G protein-coupled receptor 56 regulates mechanical overload-induced muscle hypertrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15756-61 | 11.5 | 73 |
| 55 | Combined training enhances skeletal muscle mitochondrial oxidative capacity independent of age. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 1654-63 | 5.6 | 70 |
| 54 | CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. *Cell*, **2020**, 182, 563-577.e20 | 56.2 | 69 |
| 53 | Innervation of thermogenic adipose tissue via a calsyntenin 3 S100b axis. *Nature*, **2019**, 569, 229-235 | 50.4 | 67 |
| 52 | Regression of drug-resistant lung cancer by the combination of rosiglitazone and carboplatin. *Clinical Cancer Research*, **2008**, 14, 6478-86 | 12.9 | 67 |
| 51 | Ablation of adipocyte creatine transport impairs thermogenesis and causes diet-induced obesity. *Nature Metabolism*, **2019**, 1, 360-370 | 14.6 | 63 |
| 50 | Identification of a fat cell enhancer: analysis of requirements for adipose tissue-specific gene expression. *Journal of Cellular Biochemistry*, **1992**, 49, 219-24 | 4.7 | 62 |
| 49 | Opposing activities of c-Fos and Fra-2 on AP-1 regulated transcriptional activity in mouse keratinocytes induced to differentiate by calcium and phorbol esters. *Oncogene*, **1997**, 15, 1337-46 | 9.2 | 59 |
| 48 | Lysine-specific demethylase 1 promotes brown adipose tissue thermogenesis via repressing glucocorticoid activation. *Genes and Development*, **2016**, 30, 1822-36 | 12.6 | 58 |
| 47 | Mitochondrial reactive oxygen species and adipose tissue thermogenesis: Bridging physiology and mechanisms. *Journal of Biological Chemistry*, **2017**, 292, 16810-16816 | 5.4 | 54 |

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| 46 | Adipsin preserves beta cells in diabetic mice and associates with protection from type 2 diabetes in humans. *Nature Medicine*, **2019**, 25, 1739-1747 | 50.5 | 52 |
| 45 | T cells and adipocyte IL-17RC control fat innervation and thermogenesis. *Nature*, **2020**, 578, 610-614 | 50.4 | 49 |
| 44 | CACHEXIA & BROWN FAT: A BURNING ISSUE IN CANCER. *Trends in Cancer*, **2016**, 2, 461-463 | 12.5 | 42 |
| 43 | Crosstalk between KCNK3-Mediated Ion Current and Adrenergic Signaling Regulates Adipose Thermogenesis and Obesity. *Cell*, **2017**, 171, 836-848.e13 | 56.2 | 41 |
| 42 | Thrap3 docks on phosphoserine 273 of PPAR and controls diabetic gene programming. *Genes and Development*, **2014**, 28, 2361-9 | 12.6 | 39 |
| 41 | Transcriptional Control of Energy Homeostasis through the PGC1 Coactivators. *Novartis Foundation Symposium*,3-12 | | 38 |
| 40 | Heparin potentiation of 3T3-adipocyte stimulated angiogenesis: mechanisms of action on endothelial cells. *Journal of Cellular Physiology*, **1986**, 127, 323-9 | 7 | 35 |
| 39 | Creatine kinase B controls futile creatine cycling in thermogenic fat. *Nature*, **2021**, 590, 480-485 | 50.4 | 33 |
| 38 | Noncanonical agonist PPAR ligands modulate the response to DNA damage and sensitize cancer cells to cytotoxic chemotherapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 561-566 | 11.5 | 32 |
| 37 | Regulation of alternative pathway activation and C3a production by adipose cells. *Obesity*, **1996**, 4, 521-32 | | 32 |
| 36 | DNA-binding activity of Jun is increased through its interaction with Fos. *Journal of Cellular Biochemistry*, **1990**, 42, 193-206 | 4.7 | 32 |
| 35 | PGC-1 coactivators and the regulation of skeletal muscle fiber-type determination. *Cell Metabolism*, **2011**, 13, 351 | 24.6 | 30 |
| 34 | The future of brown adipose tissues in the treatment of type 2 diabetes. *Diabetologia*, **2015**, 58, 1704-7 | 10.3 | 28 |
| 33 | Meteorin-like facilitates skeletal muscle repair through a Stat3/IGF-1 mechanism. *Nature Metabolism*, **2020**, 2, 278-289 | 14.6 | 28 |
| 32 | Transcriptional control of energy homeostasis through the PGC1 coactivators. *Novartis Foundation Symposium*, **2007**, 286, 3-6; discusssion 6-12, 162-3, 196-203 | | 28 |
| 31 | Ablation of PM20D1 reveals -acyl amino acid control of metabolism and nociception. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6937-E6945 | 11.5 | 26 |
| 30 | Irisin directly stimulates osteoclastogenesis and bone resorption in vitro and in vivo. *ELife*, **2020**, 9, | 8.9 | 25 |
| 29 | Irisin ERKs the fat. *Diabetes*, **2014**, 63, 381-3 | 0.9 | 24 |

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|---|---|---|---|
| 28 | Tumor-Derived Ligands Trigger Tumor Growth and Host Wasting via Differential MEK Activation. *Developmental Cell*, **2019**, 48, 277-286.e6 | 10.2 | 24 |
| 27 | Exercise hormone irisin is a critical regulator of cognitive function. *Nature Metabolism*, **2021**, 3, 1058-1070 | 14.6 | 21 |
| 26 | Obesity-Linked PPARγ S273 Phosphorylation Promotes Insulin Resistance through Growth Differentiation Factor 3. *Cell Metabolism*, **2020**, 32, 665-675.e6 | 24.6 | 20 |
| 25 | An Evolutionarily Conserved uORF Regulates PGC1α and Oxidative Metabolism in Mice, Flies, and Bluefin Tuna. *Cell Metabolism*, **2019**, 30, 190-200.e6 | 24.6 | 19 |
| 24 | Mitochondrial TNAP controls thermogenesis by hydrolysis of phosphocreatine. *Nature*, **2021**, 593, 580-585 | 50.4 | 19 |
| 23 | Do Adipocytes Emerge from Mural Progenitors?. *Cell Stem Cell*, **2017**, 20, 585-586 | 18 | 15 |
| 22 | c-Fos deficiency inhibits induction of mRNA for some, but not all, neurotransmitter biosynthetic enzymes by immobilization stress. *Journal of Neurochemistry*, **1998**, 70, 1935-40 | 6 | 14 |
| 21 | Facultative protein selenation regulates redox sensitivity, adipose tissue thermogenesis, and obesity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10789-10796 | 11.5 | 13 |
| 20 | Boström et al. reply. *Nature*, **2012**, 488, E10-E11 | 50.4 | 13 |
| 19 | Inhibition of complement alternative pathway in mice with Fab antibody to recombinant adipsin/factor D. *European Journal of Immunology*, **1993**, 23, 1389-92 | 6.1 | 13 |
| 18 | Discovery of Hydrolysis-Resistant Isoindoline N-Acyl Amino Acid Analogues that Stimulate Mitochondrial Respiration. *Journal of Medicinal Chemistry*, **2018**, 61, 3224-3230 | 8.3 | 12 |
| 17 | Response to Comment on Wu and Spiegelman. Irisin ERKs the fat. Diabetes 2014;63:381-383. *Diabetes*, **2014**, 63, e17 | 0.9 | 7 |
| 16 | Confounding issues in the "humanized" BAT of mice. *Nature Metabolism*, **2020**, 2, 303-304 | 14.6 | 7 |
| 15 | Cysteine 253 of UCP1 regulates energy expenditure and sex-dependent adipose tissue inflammation. *Cell Metabolism*, **2021**, | 24.6 | 6 |
| 14 | No evidence for brown adipose tissue activation after creatine supplementation in adult vegetarians. *Nature Metabolism*, **2021**, 3, 107-117 | 14.6 | 6 |
| 13 | Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. *Cell Metabolism*, **2021**, 33, 1836-1852.e11 | 24.6 | 5 |
| 12 | A Plasma Protein Network Regulates PM20D1 and N-Acyl Amino Acid Bioactivity. *Cell Chemical Biology*, **2020**, 27, 1130-1139.e4 | 8.2 | 4 |
| 11 | PGC1α and Exercise Adaptations in Zebrafish | | 4 |

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| 10 | Transgenic mouse models of disease: altering adipose tissue function in vivo. *Annals of the New York Academy of Sciences*, **1995**, 758, 297-313 | 6.5 | 2 |
| 9 | SnapShot: Regulation and biology of PGC-1 *Cell*, **2022**, 185, 1444-1444.e1 | 56.2 | 2 |
| 8 | A novel PGC-1 isoform induced by resistance training regulates skeletal muscle hypertrophy. *FASEB Journal*, **2013**, 27, 940.18 | 0.9 | 1 |
| 7 | The Cancer Drug Dasatinib Increases PGC-1 In Adipose Tissue but Has Adverse Effects on Glucose Tolerance in Obese Mice. *Endocrinology*, **2016**, 157, 4184-4191 | 4.8 | 1 |
| 6 | Measurement of Futile Creatine Cycling Using Respirometry.. *Methods in Molecular Biology*, **2022**, 2448, 141-153 | 1.4 | 0 |
| 5 | Chair Introduction. *Novartis Foundation Symposium*,1-2 | | |
| 4 | Rb Intrinsically Promotes Erythropoiesis by Coupling Cell Cycle Exit with Mitochondrial Biogenesis.. *Blood*, **2007**, 110, 638-638 | 2.2 | |
| 3 | PGC-1 is required for exercise-induced mitochondrial biogenesis, but not fiber type transformation, in skeletal muscle. *FASEB Journal*, **2008**, 22, 754.17 | 0.9 | |
| 2 | Irisin Mediates Effects on Bone via V Integrin Receptors. *FASEB Journal*, **2019**, 33, 15.2 | 0.9 | |
| 1 | Transcriptional Control of Brown Adipogenesis and Energy Homeostasis. *FASEB Journal*, **2010**, 24, 303.4 | 0.9 | |