# Masayuki Saito

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9596927/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 64 papers | 5,763 citations | 186265 28 h-index | 110387 64 g-index |
| 66 all docs | 66 docs citations | 66 times ranked | 6247 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selenoprotein P-mediated reductive stress impairs cold-induced thermogenesis in brown fat. Cell Reports, 2022, 38, 110566. | 6.4 | 13 |
| 2 | Kruppelâ€like factorÂ15 regulates fuel switching between glucose and fatty acids in brown adipocytes. Journal of Diabetes Investigation, 2021, 12, 1144-1151. | 2.4 | 8 |
| 3 | Brown Fat as a Regulator of Systemic Metabolism beyond Thermogenesis. Diabetes and Metabolism Journal, 2021, 45, 840-852. | 4.7 | 14 |
| 4 | Diurnal variations of brown fat thermogenesis and fat oxidation in humans. International Journal of Obesity, 2021, 45, 2499-2505. | 3.4 | 15 |
| 5 | Visualization of intracellular lipid metabolism in brown adipocytes by time-lapse ultra-multiplex CARS microspectroscopy with an onstage incubator. Journal of Chemical Physics, 2021, 155, 125102. | 3.0 | 5 |
| 6 | Bacteroides spp. promotes branched-chain amino acid catabolism in brown fat and inhibits obesity. IScience, 2021, 24, 103342. | 4.1 | 58 |
| 7 | UCP1-dependent and UCP1-independent metabolic changes induced by acute cold exposure in brown adipose tissue of mice. Metabolism: Clinical and Experimental, 2020, 113, 154396. | 3.4 | 43 |
| 8 | Multiorgan contribution to non-shivering and shivering thermogenesis and vascular responses during gradual cold exposure in humans. European Journal of Applied Physiology, 2020, 120, 2737-2747. | 2.5 | 5 |
| 9 | Brown Adipose Tissue, Diet-Induced Thermogenesis, and Thermogenic Food Ingredients: From Mice to Men. Frontiers in Endocrinology, 2020, 11, 222. | 3.5 | 131 |
| 10 | Near-Infrared Time-Resolved Spectroscopy for Assessing Brown Adipose Tissue Density in Humans: A Review. Frontiers in Endocrinology, 2020, 11, 261. | 3.5 | 14 |
| 11 | An optimal condition for the evaluation of human brown adipose tissue by infrared thermography. PLoS ONE, 2019, 14, e0220574. | 2.5 | 22 |
| 12 | BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. Nature, 2019, 572, 614-619. | 27.8 | 332 |
| 13 | Association of circulating exosomal miR-122 levels with BAT activity in healthy humans. Scientific Reports, 2019, 9, 13243. | 3.3 | 18 |
| 14 | Fatâ€specific protein 27Î± inhibits autophagyâ€dependent lipid droplet breakdown in white adipocytes. Journal of Diabetes Investigation, 2019, 10, 1419-1429. | 2.4 | 2 |
| 15 | Interaction of Nerve Growth Factor Î² with Adiponectin and SPARC Oppositely Modulates its Biological Activity. International Journal of Molecular Sciences, 2019, 20, 1541. | 4.1 | 7 |
| 16 | Translational Aspects of Brown Fat Activation by Food-Derived Stimulants. Handbook of Experimental Pharmacology, 2018, 251, 359-379. | 1.8 | 13 |
| 17 | Cell-cycle arrest in mature adipocytes impairs BAT development but not WAT browning, and reduces adaptive thermogenesis in mice. Scientific Reports, 2017, 7, 6648. | 3.3 | 21 |
| 18 | Cell death-inducing DNA fragmentation factor A-like effector A and fat-specific protein 27Î² coordinately control lipid droplet size in brown adipocytes. Journal of Biological Chemistry, 2017, 292, 10824-10834. | 3.4 | 19 |

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|---|---|---|---|
| 19 | Progesterone dose-dependently modulates hepatocyte growth factor production in 3T3-L1 mouse preadipocytes. Endocrine Journal, 2017, 64, 777-785. | 1.6 | 1 |
| 20 | Activation and recruitment of brown adipose tissue by cold exposure and food ingredients in humans. Best Practice and Research in Clinical Endocrinology and Metabolism, 2016, 30, 537-547. | 4.7 | 46 |
| 21 | Brown adipose tissue is involved in the seasonal variation of cold-induced thermogenesis in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R999-R1009. | 1.8 | 75 |
| 22 | Brown adipose tissue expresses uncoupling protein 1 in newborn harbor seals (Phoca vitulina). Marine Mammal Science, 2015, 31, 818-827. | 1.8 | 3 |
| 23 | Determination of serum lipoprotein lipase using a latex particle-enhanced turbidimetric immunoassay with an automated analyzer. Clinica Chimica Acta, 2015, 442, 130-135. | 1.1 | 23 |
| 24 | Food Ingredients as Anti-Obesity Agents. Trends in Endocrinology and Metabolism, 2015, 26, 585-587. | 7.1 | 40 |
| 25 | Roles of Brown Adipose Tissue in Seasonal Variations of Thermogenesis in Men. FASEB Journal, 2015, 29, 993.15. | 0.5 | 2 |
| 26 | Serum DJ-1 level is positively associated with improvements in some aspects of metabolic syndrome in Japanese women through lifestyle intervention. Nutrition Research, 2014, 34, 851-855. | 2.9 | 7 |
| 27 | Human brown adipose tissue: regulation and anti-obesity potential [Review]. Endocrine Journal, 2014, 61, 409-416. | 1.6 | 34 |
| 28 | Capsinoids and related food ingredients activating brown fat thermogenesis and reducing body fat in humans. Current Opinion in Lipidology, 2013, 24, 71-77. | 2.7 | 111 |
| 29 | Recruited brown adipose tissue as an antiobesity agent in humans. Journal of Clinical Investigation, 2013, 123, 3404-3408. | 8.2 | 792 |
| 30 | Thermogenic Ability of Uncoupling Protein 1 in Beige Adipocytes in Mice. PLoS ONE, 2013, 8, e84229. | 2.5 | 67 |
| 31 | Brown Adipose Tissue as a Regulator of Energy Expenditure and Body Fat in Humans. Diabetes and Metabolism Journal, 2013, 37, 22. | 4.7 | 113 |
| 32 | Evodiamine Inhibits Insulin-Stimulated mTOR-S6K Activation and IRS1 Serine Phosphorylation in Adipocytes and Improves Glucose Tolerance in Obese/Diabetic Mice. PLoS ONE, 2013, 8, e83264. | 2.5 | 38 |
| 33 | Production of Functional Classical Brown Adipocytes from Human Pluripotent Stem Cells using Specific Hemopoietin Cocktail without Gene Transfer. Cell Metabolism, 2012, 16, 394-406. | 16.2 | 142 |
| 34 | Activation of brown adipose tissue by acute and chronic administrations of capsinoids in humans. FASEB Journal, 2012, 26, 252.4. | 0.5 | 1 |
| 35 | Brown Adipose Tissue, Wholeâ€Body Energy Expenditure, and Thermogenesis in Healthy Adult Men. Obesity, 2011, 19, 13-16. | 3.0 | 351 |
| 36 | Ageâ€Related Decrease in Coldâ€Activated Brown Adipose Tissue and Accumulation of Body Fat in Healthy Humans. Obesity, 2011, 19, 1755-1760. | 3.0 | 402 |

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|---|---|---|---|
| 37 | High Incidence of Metabolically Active Brown Adipose Tissue in Healthy Adult Humans. Diabetes, 2009, 58, 1526-1531. | 0.6 | 1,650 |
| 38 | Expression of Uncoupling Proteins in Human Skin and Skin-Derived Cells. Journal of Investigative Dermatology, 2008, 128, 1894-1900. | 0.7 | 26 |
| 39 | Dayâ€“night difference in Î²3-adrenoceptor agonist-induced energy expenditure: Contribution of brown fat thermogenesis and physical activity. Obesity Research and Clinical Practice, 2007, 1, 61-67. | 1.8 | 4 |
| 40 | Uncoupling protein 1 contributes to fat-reducing effect of leptin. Obesity Research and Clinical Practice, 2007, 1, 233-241. | 1.8 | 20 |
| 41 | Indispensable role of mitochondrial UCP1 for antiobesity effect of Î²3-adrenergic stimulation. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1014-E1021. | 3.5 | 123 |
| 42 | Uncoupling Protein 1 Is Necessary for Norepinephrine-Induced Glucose Utilization in Brown Adipose Tissue. Diabetes, 2005, 54, 1385-1391. | 0.6 | 155 |
| 43 | Canine mitochondrial uncoupling proteins: structure and mRNA expression of three isoforms in adult beagles. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 131, 483-489. | 1.6 | 10 |
| 44 | Up-regulation of uncoupling proteins by Î²-adrenergic stimulation in L6 myotubes. FEBS Letters, 2001, 494, 175-180. | 2.8 | 46 |
| 45 | .BETA.3-Adrenergic Agonist Up-Regulates Uncoupling Proteins 2 and 3 in Skeletal Muscle of the Mouse.. Journal of Veterinary Medical Science, 2001, 63, 309-314. | 0.9 | 32 |
| 46 | Postnatal Development of Glucose Transporter Proteins in Bovine Skeletal Muscle and Adipose Tissue.. Journal of Veterinary Medical Science, 2001, 63, 1071-1075. | 0.9 | 19 |
| 47 | cDNA Cloning of Feline Leptin and Its mRNA Expression in Adipose Tissue.. Journal of Veterinary Medical Science, 2001, 63, 1115-1120. | 0.9 | 15 |
| 48 | Genomic organization, chromosomal localization, and promoter analysis of the mouse Mail gene. Immunogenetics, 2001, 53, 649-655. | 2.4 | 20 |
| 49 | MAIL, a novel nuclear IÎºB protein that potentiates LPS-induced IL-6 production. FEBS Letters, 2000, 485, 53-56. | 2.8 | 138 |
| 50 | Neuronal and glial differentiation of neuroblastoma and glioma cells by Rho inhibitory bacterial exo-enzyme C3. Neuropathology, 1999, 19, 288-293. | 1.2 | 1 |
| 51 | Mechanism of decrease in levels of hepatic P450 isozymes induced by intracerebral endotoxin: independence from sympathetic nervous and adrenocortical systems. Archives of Toxicology, 1999, 73, 41-49. | 4.2 | 17 |
| 52 | Induction of uncoupling protein (UCP) 2 in primary cultured hepatocytes. FEBS Letters, 1999, 457, 75-79. | 2.8 | 20 |
| 53 | Up-regulation of uncoupling protein 3 by thyroid hormone, peroxisome proliferator-activated receptor ligands and 9-cis retinoic acid in L6 myotubes. FEBS Letters, 1999, 461, 319-322. | 2.8 | 72 |
| 54 | Immortal Brown Adipocytes fromp53-Knockout Mice: Differentiation and Expression of Uncoupling Proteins. Biochemical and Biophysical Research Communications, 1999, 255, 221-225. | 2.1 | 66 |

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| 55 | Differential alterations in levels of hepatic microsomal cytochrome P450 isozymes following intracerebroventricular injection of bacterial lipopolysaccharide in rats. Archives of Toxicology, 1998, 72, 492-498. | 4.2 | 29 |
| 56 | Acute and Chronic Regulation of ob mRNA Levels by .BETA.3-Adrenoceptor Agonists in Obese Yellow KK Mice.. Endocrine Journal, 1998, 45, 647-651. | 1.6 | 5 |
| 57 | Comparison of Amino Acid Sequence of the C-Terminal Domain of Insulin-Responsive Glucose Transporter (GLUT4) in Livestock Mammals.. Journal of Veterinary Medical Science, 1998, 60, 769-771. | 0.9 | 9 |
| 58 | Anti-Obesity Effects of Selective Agonists to the .BETA.3-Adrenergic Receptor in Dogs. II. Recruitment of Thermogenic Brown Adipocytes and Reduction of Adiposity after Chronic Treatment with a .BETA.3-Adrenergic Agonist.. Journal of Veterinary Medical Science, 1998, 60, 465-469. | 0.9 | 28 |
| 59 | Adrenergic activation of vascular endothelial growth factor mRNA expression in rat brown adipose tissue: implication in cold-induced angiogenesis. Biochemical Journal, 1997, 328, 179-183. | 3.7 | 80 |
| 60 | Roles of Prostaglandins D<sub>2</sub> and E<sub>2</sub> in Interleukinâ€1â€Induced Activation of Norepinephrine Turnover in the Brain and Peripheral Organs of Rats. Journal of Neurochemistry, 1995, 65, 2742-2747. | 3.9 | 31 |
| 61 | Possible role of IL-6 in IL-1-induced plasma iron and corticosterone responses in rats . Biomedical Research, 1993, 14, 301-303. | 0.9 | 2 |
| 62 | Sympathetic Activation of Glucose Utilization in Brown Adipose Tissue in Rats1. Journal of Biochemistry, 1991, 110, 688-692. | 1.7 | 71 |
| 63 | Effects of Total Enteral Nutrition on Orcadian Cortisol Rhythm. Psychiatry and Clinical Neurosciences, 1990, 44, 179-179. | 1.8 | 0 |
| 64 | Accelerated norepinephrine turnover in peripheral tissues after ventromedial hypothalamic stimulation in rats. Brain Research, 1989, 481, 298-303. | 2.2 | 79 |