

Masayuki Saito

List of Publications by Year in descending order

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64
papers

5,763
citations

186265
28
h-index

110387
64
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66
all docs

66
docs citations

66
times ranked

6247
citing authors

#	ARTICLE	IF	CITATIONS
1	High Incidence of Metabolically Active Brown Adipose Tissue in Healthy Adult Humans. <i>Diabetes</i> , 2009, 58, 1526-1531.	0.6	1,650
2	Recruited brown adipose tissue as an antiobesity agent in humans. <i>Journal of Clinical Investigation</i> , 2013, 123, 3404-3408.	8.2	792
3	Age-Related Decrease in Cold-Activated Brown Adipose Tissue and Accumulation of Body Fat in Healthy Humans. <i>Obesity</i> , 2011, 19, 1755-1760.	3.0	402
4	Brown Adipose Tissue, Whole-Body Energy Expenditure, and Thermogenesis in Healthy Adult Men. <i>Obesity</i> , 2011, 19, 13-16.	3.0	351
5	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , 2019, 572, 614-619.	27.8	332
6	Uncoupling Protein 1 Is Necessary for Norepinephrine-Induced Glucose Utilization in Brown Adipose Tissue. <i>Diabetes</i> , 2005, 54, 1385-1391.	0.6	155
7	Production of Functional Classical Brown Adipocytes from Human Pluripotent Stem Cells using Specific Hemopoietin Cocktail without Gene Transfer. <i>Cell Metabolism</i> , 2012, 16, 394-406.	16.2	142
8	MAIL, a novel nuclear Î² protein that potentiates LPS-induced IL-6 production. <i>FEBS Letters</i> , 2000, 485, 53-56.	2.8	138
9	Brown Adipose Tissue, Diet-Induced Thermogenesis, and Thermogenic Food Ingredients: From Mice to Men. <i>Frontiers in Endocrinology</i> , 2020, 11, 222.	3.5	131
10	Indispensable role of mitochondrial UCP1 for antiobesity effect of Î²3-adrenergic stimulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E1014-E1021.	3.5	123
11	Brown Adipose Tissue as a Regulator of Energy Expenditure and Body Fat in Humans. <i>Diabetes and Metabolism Journal</i> , 2013, 37, 22.	4.7	113
12	Capsinoids and related food ingredients activating brown fat thermogenesis and reducing body fat in humans. <i>Current Opinion in Lipidology</i> , 2013, 24, 71-77.	2.7	111
13	Adrenergic activation of vascular endothelial growth factor mRNA expression in rat brown adipose tissue: implication in cold-induced angiogenesis. <i>Biochemical Journal</i> , 1997, 328, 179-183.	3.7	80
14	Accelerated norepinephrine turnover in peripheral tissues after ventromedial hypothalamic stimulation in rats. <i>Brain Research</i> , 1989, 481, 298-303.	2.2	79
15	Brown adipose tissue is involved in the seasonal variation of cold-induced thermogenesis in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R999-R1009.	1.8	75
16	Up-regulation of uncoupling protein 3 by thyroid hormone, peroxisome proliferator-activated receptor ligands and 9-cis retinoic acid in L6 myotubes. <i>FEBS Letters</i> , 1999, 461, 319-322.	2.8	72
17	Sympathetic Activation of Glucose Utilization in Brown Adipose Tissue in Rats ¹ . <i>Journal of Biochemistry</i> , 1991, 110, 688-692.	1.7	71
18	Thermogenic Ability of Uncoupling Protein 1 in Beige Adipocytes in Mice. <i>PLoS ONE</i> , 2013, 8, e84229.	2.5	67

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19	Immortal Brown Adipocytes from p53-Knockout Mice: Differentiation and Expression of Uncoupling Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 221-225.	2.1	66
20	<i>Bacteroides</i> spp. promotes branched-chain amino acid catabolism in brown fat and inhibits obesity. <i>IScience</i> , 2021, 24, 103342.	4.1	58
21	Up-regulation of uncoupling proteins by β^2 -adrenergic stimulation in L6 myotubes. <i>FEBS Letters</i> , 2001, 494, 175-180.	2.8	46
22	Activation and recruitment of brown adipose tissue by cold exposure and food ingredients in humans. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2016, 30, 537-547.	4.7	46
23	UCP1-dependent and UCP1-independent metabolic changes induced by acute cold exposure in brown adipose tissue of mice. <i>Metabolism: Clinical and Experimental</i> , 2020, 113, 154396.	3.4	43
24	Food Ingredients as Anti-Obesity Agents. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 585-587.	7.1	40
25	Evodiamine Inhibits Insulin-Stimulated mTOR-S6K Activation and IRS1 Serine Phosphorylation in Adipocytes and Improves Glucose Tolerance in Obese/Diabetic Mice. <i>PLoS ONE</i> , 2013, 8, e83264.	2.5	38
26	Human brown adipose tissue: regulation and anti-obesity potential [Review]. <i>Endocrine Journal</i> , 2014, 61, 409-416.	1.6	34
27	β -ADRENERGIC AGONIST UP-REGULATES UNCOUPLING PROTEINS 2 AND 3 IN SKELETAL MUSCLE OF THE MOUSE.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 309-314.	0.9	32
28	Roles of Prostaglandins D ₂ and E ₂ in Interleukin-1 α -Induced Activation of Norepinephrine Turnover in the Brain and Peripheral Organs of Rats. <i>Journal of Neurochemistry</i> , 1995, 65, 2742-2747.	3.9	31
29	Differential alterations in levels of hepatic microsomal cytochrome P450 isozymes following intracerebroventricular injection of bacterial lipopolysaccharide in rats. <i>Archives of Toxicology</i> , 1998, 72, 492-498.	4.2	29
30	Anti-Obesity Effects of Selective Agonists to the β -ADRENERGIC RECEPTOR IN DOGS. II. RECRUITMENT OF THERMOGENIC BROWN ADIPOCYTES AND REDUCTION OF ADIPOSITY AFTER CHRONIC TREATMENT WITH A β -ADRENERGIC AGONIST.. <i>Journal of Veterinary Medical Science</i> , 1998, 60, 465-469.	0.9	28
31	Expression of Uncoupling Proteins in Human Skin and Skin-Derived Cells. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1894-1900.	0.7	26
32	Determination of serum lipoprotein lipase using a latex particle-enhanced turbidimetric immunoassay with an automated analyzer. <i>Clinica Chimica Acta</i> , 2015, 442, 130-135.	1.1	23
33	An optimal condition for the evaluation of human brown adipose tissue by infrared thermography. <i>PLoS ONE</i> , 2019, 14, e0220574.	2.5	22
34	Cell-cycle arrest in mature adipocytes impairs BAT development but not WAT browning, and reduces adaptive thermogenesis in mice. <i>Scientific Reports</i> , 2017, 7, 6648.	3.3	21
35	Induction of uncoupling protein (UCP) 2 in primary cultured hepatocytes. <i>FEBS Letters</i> , 1999, 457, 75-79.	2.8	20
36	Genomic organization, chromosomal localization, and promoter analysis of the mouse Mail gene. <i>Immunogenetics</i> , 2001, 53, 649-655.	2.4	20

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37	Uncoupling protein 1 contributes to fat-reducing effect of leptin. <i>Obesity Research and Clinical Practice</i> , 2007, 1, 233-241.	1.8	20
38	Postnatal Development of Glucose Transporter Proteins in Bovine Skeletal Muscle and Adipose Tissue.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 1071-1075.	0.9	19
39	Cell death-inducing DNA fragmentation factor A-like effector A and fat-specific protein 271 ² coordinately control lipid droplet size in brown adipocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 10824-10834.	3.4	19
40	Association of circulating exosomal miR-122 levels with BAT activity in healthy humans. <i>Scientific Reports</i> , 2019, 9, 13243.	3.3	18
41	Mechanism of decrease in levels of hepatic P450 isozymes induced by intracerebral endotoxin: independence from sympathetic nervous and adrenocortical systems. <i>Archives of Toxicology</i> , 1999, 73, 41-49.	4.2	17
42	cDNA Cloning of Feline Leptin and Its mRNA Expression in Adipose Tissue.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 1115-1120.	0.9	15
43	Diurnal variations of brown fat thermogenesis and fat oxidation in humans. <i>International Journal of Obesity</i> , 2021, 45, 2499-2505.	3.4	15
44	Brown Fat as a Regulator of Systemic Metabolism beyond Thermogenesis. <i>Diabetes and Metabolism Journal</i> , 2021, 45, 840-852.	4.7	14
45	Near-Infrared Time-Resolved Spectroscopy for Assessing Brown Adipose Tissue Density in Humans: A Review. <i>Frontiers in Endocrinology</i> , 2020, 11, 261.	3.5	14
46	Translational Aspects of Brown Fat Activation by Food-Derived Stimulants. <i>Handbook of Experimental Pharmacology</i> , 2018, 251, 359-379.	1.8	13
47	Selenoprotein P-mediated reductive stress impairs cold-induced thermogenesis in brown fat. <i>Cell Reports</i> , 2022, 38, 110566.	6.4	13
48	Canine mitochondrial uncoupling proteins: structure and mRNA expression of three isoforms in adult beagles. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 131, 483-489.	1.6	10
49	Comparison of Amino Acid Sequence of the C-Terminal Domain of Insulin-Responsive Glucose Transporter (GLUT4) in Livestock Mammals.. <i>Journal of Veterinary Medical Science</i> , 1998, 60, 769-771.	0.9	9
50	Kruppel-like factor 15 regulates fuel switching between glucose and fatty acids in brown adipocytes. <i>Journal of Diabetes Investigation</i> , 2021, 12, 1144-1151.	2.4	8
51	Serum DJ-1 level is positively associated with improvements in some aspects of metabolic syndrome in Japanese women through lifestyle intervention. <i>Nutrition Research</i> , 2014, 34, 851-855.	2.9	7
52	Interaction of Nerve Growth Factor 1 ² with Adiponectin and SPARC Oppositely Modulates its Biological Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1541.	4.1	7
53	Acute and Chronic Regulation of ob mRNA Levels by .BETA.3-Adrenoceptor Agonists in Obese Yellow KK Mice.. <i>Endocrine Journal</i> , 1998, 45, 647-651.	1.6	5
54	Multiorgan contribution to non-shivering and shivering thermogenesis and vascular responses during gradual cold exposure in humans. <i>European Journal of Applied Physiology</i> , 2020, 120, 2737-2747.	2.5	5

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55	Visualization of intracellular lipid metabolism in brown adipocytes by time-lapse ultra-multiplex CARS microspectroscopy with an onstage incubator. <i>Journal of Chemical Physics</i> , 2021, 155, 125102.	3.0	5
56	Day-night difference in ^{23}Na -adrenoceptor agonist-induced energy expenditure: Contribution of brown fat thermogenesis and physical activity. <i>Obesity Research and Clinical Practice</i> , 2007, 1, 61-67.	1.8	4
57	Brown adipose tissue expresses uncoupling protein 1 in newborn harbor seals (<i>Phoca vitulina</i>). <i>Marine Mammal Science</i> , 2015, 31, 818-827.	1.8	3
58	Fat-specific protein 27 \pm inhibits autophagy-dependent lipid droplet breakdown in white adipocytes. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1419-1429.	2.4	2
59	Possible role of IL-6 in IL-1-induced plasma iron and corticosterone responses in rats.	0.9	2
60	Roles of Brown Adipose Tissue in Seasonal Variations of Thermogenesis in Men. <i>FASEB Journal</i> , 2015, 29, 993.15.	0.5	2
61	Neuronal and glial differentiation of neuroblastoma and glioma cells by Rho inhibitory bacterial exo-enzyme C3. <i>Neuropathology</i> , 1999, 19, 288-293.	1.2	1
62	Progesterone dose-dependently modulates hepatocyte growth factor production in 3T3-L1 mouse preadipocytes. <i>Endocrine Journal</i> , 2017, 64, 777-785.	1.6	1
63	Activation of brown adipose tissue by acute and chronic administrations of capsinoids in humans. <i>FASEB Journal</i> , 2012, 26, 252.4.	0.5	1
64	Effects of Total Enteral Nutrition on Circadian Cortisol Rhythm. <i>Psychiatry and Clinical Neurosciences</i> , 1990, 44, 179-179.	1.8	0