

Takeshi Yoneshiro

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,486
citations

159358

30
h-index

197535

49
g-index

55
all docs

55
docs citations

55
times ranked

7613
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.	0.3	1,650
2	Recruited brown adipose tissue as an antiobesity agent in humans. <i>Journal of Clinical Investigation</i> , 2013, 123, 3404-3408.	3.9	792
3	UCP1-independent signaling involving SERCA2b-mediated calcium cycling regulates beige fat thermogenesis and systemic glucose homeostasis. <i>Nature Medicine</i> , 2017, 23, 1454-1465.	15.2	429
4	Age-Related Decrease in Cold-Activated Brown Adipose Tissue and Accumulation of Body Fat in Healthy Humans. <i>Obesity</i> , 2011, 19, 1755-1760.	1.5	402
5	Accumulation of succinate controls activation of adipose tissue thermogenesis. <i>Nature</i> , 2018, 560, 102-106.	13.7	380
6	Brown Adipose Tissue, Whole-Body Energy Expenditure, and Thermogenesis in Healthy Adult Men. <i>Obesity</i> , 2011, 19, 13-16.	1.5	351
7	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , 2019, 572, 614-619.	13.7	332
8	Nonpungent capsaicin analogs (capsinoids) increase energy expenditure through the activation of brown adipose tissue in humans. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 845-850.	2.2	228
9	Thermal stress induces glycolytic beige fat formation via a myogenic state. <i>Nature</i> , 2019, 565, 180-185.	13.7	178
10	CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. <i>Cell</i> , 2020, 182, 563-577.e20.	13.5	156
11	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.	7.2	142
12	Brown Adipose Tissue, Diet-Induced Thermogenesis, and Thermogenic Food Ingredients: From Mice to Men. <i>Frontiers in Endocrinology</i> , 2020, 11, 222.	1.5	131
13	Mitophagy controls beige adipocyte maintenance through a Parkin-dependent and UCP1-independent mechanism. <i>Science Signaling</i> , 2018, 11, .	1.6	116
14	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.	1.2	111
15	Tea catechin and caffeine activate brown adipose tissue and increase cold-induced thermogenic capacity in humans. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 873-881.	2.2	77
16	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.	0.9	75
17	Activation and recruitment of brown adipose tissue as anti-obesity regimens in humans. <i>Annals of Medicine</i> , 2015, 47, 133-141.	1.5	69
18	Involvement of thermosensitive TRP channels in energy metabolism. <i>Journal of Physiological Sciences</i> , 2017, 67, 549-560.	0.9	69

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19	Grains of paradise (<i>Aframomum melegueta</i>) extract activates brown adipose tissue and increases whole-body energy expenditure in men. <i>British Journal of Nutrition</i> , 2013, 110, 733-738.	1.2	64
20	Assessment of human brown adipose tissue density during daily ingestion of thermogenic capsinoids using near-infrared time-resolved spectroscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 091305.	1.4	62
21	<i>Bacteroides</i> spp. promotes branched-chain amino acid catabolism in brown fat and inhibits obesity. <i>IScience</i> , 2021, 24, 103342.	1.9	58
22	Mitochondrial lipoylation integrates age-associated decline in brown fat thermogenesis. <i>Nature Metabolism</i> , 2019, 1, 886-898.	5.1	50
23	Transient receptor potential activated brown fat thermogenesis as a target of food ingredients for obesity management. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 625-631.	1.3	48
24	Human brown adipose tissue assessed by simple, noninvasive near-Infrared time-resolved spectroscopy. <i>Obesity</i> , 2015, 23, 973-980.	1.5	46
25	Daily ingestion of catechin-rich beverage increases brown adipose tissue density and decreases extramyocellular lipids in healthy young women. <i>SpringerPlus</i> , 2016, 5, 1363.	1.2	46
26	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.	2.2	46
27	Branched-chain β -ketoacids are preferentially reaminated and activate protein synthesis in the heart. <i>Nature Communications</i> , 2021, 12, 1680.	5.8	45
28	<i>Kaempferia parviflora</i> Extract Increases Whole-Body Energy Expenditure in Humans: Roles of Brown Adipose Tissue. <i>Journal of Nutritional Science and Vitaminology</i> , 2015, 61, 79-83.	0.2	42
29	Food Ingredients as Anti-Obesity Agents. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 585-587.	3.1	40
30	Wireless optogenetics protects against obesity via stimulation of non-canonical fat thermogenesis. <i>Nature Communications</i> , 2020, 11, 1730.	5.8	39
31	The regulation of glucose and lipid homeostasis via <i>PLTP</i> as a mediator of <i>BAT</i> liver communication. <i>EMBO Reports</i> , 2020, 21, e49828.	2.0	28
32	Royal jelly ameliorates diet-induced obesity and glucose intolerance by promoting brown adipose tissue thermogenesis in mice. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 127-137.	0.8	26
33	Daily Ingestion of Grains of Paradise (<i>Aframomum melegueta</i>) Extract Increases Whole-Body Energy Expenditure and Decreases Visceral Fat in Humans. <i>Journal of Nutritional Science and Vitaminology</i> , 2014, 60, 22-27.	0.2	20
34	Brown adipose tissue density measured by near-infrared time-resolved spectroscopy in Japanese, across a wide age range. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	18
35	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. <i>ELife</i> , 2021, 10, .	2.8	15
36	Near-Infrared Time-Resolved Spectroscopy for Assessing Brown Adipose Tissue Density in Humans: A Review. <i>Frontiers in Endocrinology</i> , 2020, 11, 261.	1.5	14

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37	Translational Aspects of Brown Fat Activation by Food-Derived Stimulants. Handbook of Experimental Pharmacology, 2018, 251, 359-379.	0.9	13
38	Adiponectin suppression of late inflammatory mediator, HMGB1-induced cytokine expression in RAW264 macrophage cells. Journal of Biochemistry, 2018, 163, 143-153.	0.9	11
39	Melinjo (Gnetum gnemon L.) seed extract induces uncoupling protein 1 expression in brown fat and protects mice against diet-induced obesity, inflammation, and insulin resistance. Nutrition Research, 2018, 58, 17-25.	1.3	11
40	Melanin-concentrating hormone-producing neurons in the hypothalamus regulate brown adipose tissue and thus contribute to energy expenditure. Journal of Physiology, 2021, , .	1.3	10
41	Spatiotemporal dynamics of SETD5-containing NCoHDAC3 complex determines enhancer activation for adipogenesis. Nature Communications, 2021, 12, 7045.	5.8	10
42	Differentiation of bone marrow-derived cells toward thermogenic adipocytes in white adipose tissue induced by the β 3 adrenergic stimulation. FASEB Journal, 2019, 33, 5196-5207.	0.2	8
43	Kruppel-like factor 15 regulates fuel switching between glucose and fatty acids in brown adipocytes. Journal of Diabetes Investigation, 2021, 12, 1144-1151.	1.1	8
44	Editorial: Current Challenges for Targeting Brown Fat Thermogenesis to Combat Obesity. Frontiers in Endocrinology, 2020, 11, 600341.	1.5	6
45	Production of Functional Classical Brown Adipocytes from Human Pluripotent Stem Cells using Specific Hemopoietin Cocktail without Gene Transfer. Cell Metabolism, 2012, 16, 684-685.	7.2	4
46	Evaluation of Brown Adipose Tissue Using Near-Infrared Time-Resolved Spectroscopy. Advances in Experimental Medicine and Biology, 2016, 876, 371-376.	0.8	3
47	Prolonged Treatment with Grains of Paradise (<i>Aframomum melegueta</i>) Extract Recruits Adaptive Thermogenesis and Reduces Body Fat in Humans with Low Brown Fat Activity. Journal of Nutritional Science and Vitaminology, 2021, 67, 99-104.	0.2	3
48	Roles of Brown Adipose Tissue in Seasonal Variations of Thermogenesis in Men. FASEB Journal, 2015, 29, 993.15.	0.2	2
49	Activation of brown adipose tissue by acute and chronic administrations of capsinoids in humans. FASEB Journal, 2012, 26, 252.4.	0.2	1
50	Brown adipose tissue thermogenesis and energy metabolism. Japanese Journal of Physical Fitness and Sports Medicine, 2018, 67, 345-350.	0.0	0
51	Human Brown Fat Assessed By Simple Noninvasive Near-infrared Time-resolved Spectroscopy. Medicine and Science in Sports and Exercise, 2014, 46, 626.	0.2	0