Takeshi Yoneshiro

List of Publications by Year
in descending order

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	Kruppelâ€like factorÂ15 regulates fuel switching between glucose and fatty acids in brown adipocytes. Journal of Diabetes Investigation, 2021, 12, 1144-1151.	1.1	8
2	Branched-chain Î±-ketoacids are preferentially reaminated and activate protein synthesis in the heart. Nature Communications, 2021, 12, 1680.	5.8	45
3	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
4	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. ELife, 2021, 10, .	2.8	15
5	Melaninâ€concentrating hormoneâ€producing neurons in the hypothalamus regulate brown adipose tissue and thus contribute to energy expenditure. Journal of Physiology, 2021, , .	1.3	10
6	Bacteroides spp. promotes branched-chain amino acid catabolism in brown fat and inhibits obesity. IScience, 2021, 24, 103342.	1.9	58
7	Spatiotemporal dynamics of SETD5-containing NCoRâ€“HDAC3 complex determines enhancer activation for adipogenesis. Nature Communications, 2021, 12, 7045.	5.8	10
8	Editorial: Current Challenges for Targeting Brown Fat Thermogenesis to Combat Obesity. Frontiers in Endocrinology, 2020, 11, 600341.	1.5	6
9	The regulation of glucose and lipid homeostasis via <scp>PLTP</scp> as a mediator of <scp>BAT</scp> â€“liver communication. EMBO Reports, 2020, 21, e49828.	2.0	28
10	Brown Adipose Tissue, Diet-Induced Thermogenesis, and Thermogenic Food Ingredients: From Mice to Men. Frontiers in Endocrinology, 2020, 11, 222.	1.5	131
11	Wireless optogenetics protects against obesity via stimulation of non-canonical fat thermogenesis. Nature Communications, 2020, 11, 1730.	5.8	39
12	CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. Cell, 2020, 182, 563-577.e20.	13.5	156
13	Near-Infrared Time-Resolved Spectroscopy for Assessing Brown Adipose Tissue Density in Humans: A Review. Frontiers in Endocrinology, 2020, 11, 261.	1.5	14
14	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. Nature, 2019, 572, 614-619.	13.7	332
15	Mitochondrial lipoylation integrates age-associated decline in brown fat thermogenesis. Nature Metabolism, 2019, 1, 886-898.	5.1	50
16	Thermal stress induces glycolytic beige fat formation via a myogenic state. Nature, 2019, 565, 180-185.	13.7	178
17	Differentiation of bone marrowâ€derived cells toward thermogenic adipocytes in white adipose tissue induced by the Î²3 adrenergic stimulation. FASEB Journal, 2019, 33, 5196-5207.	0.2	8
18	Mitophagy controls beige adipocyte maintenance through a Parkin-dependent and UCP1-independent mechanism. Science Signaling, 2018, 11, .	1.6	116

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19	Royal jelly ameliorates diet-induced obesity and glucose intolerance by promoting brown adipose tissue thermogenesis in mice. Obesity Research and Clinical Practice, 2018, 12, 127-137.	0.8	26
20	Adiponectin suppression of late inflammatory mediator, HMGB1-induced cytokine expression in RAW264 macrophage cells. Journal of Biochemistry, 2018, 163, 143-153.	0.9	11
21	Brown adipose tissue thermogenesis and energy metabolism. Japanese Journal of Physical Fitness and Sports Medicine, 2018, 67, 345-350.	0.0	0
22	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
23	Accumulation of succinate controls activation of adipose tissue thermogenesis. Nature, 2018, 560, 102-106.	13.7	380
24	Translational Aspects of Brown Fat Activation by Food-Derived Stimulants. Handbook of Experimental Pharmacology, 2018, 251, 359-379.	0.9	13
25	Brown adipose tissue density measured by near-infrared time-resolved spectroscopy in Japanese, across a wide age range. Journal of Biomedical Optics, 2018, 23, 1.	1.4	18
26	Tea catechin and caffeine activate brown adipose tissue and increase cold-induced thermogenic capacity in humans. American Journal of Clinical Nutrition, 2017, 105, 873-881.	2.2	77
27	UCP1-independent signaling involving SERCA2b-mediated calcium cycling regulates beige fat thermogenesis and systemic glucose homeostasis. Nature Medicine, 2017, 23, 1454-1465.	15.2	429
28	Involvement of thermosensitive TRP channels in energy metabolism. Journal of Physiological Sciences, 2017, 67, 549-560.	0.9	69
29	Assessment of human brown adipose tissue density during daily ingestion of thermogenic capsinoids using near-infrared time-resolved spectroscopy. Journal of Biomedical Optics, 2016, 21, 091305.	1.4	62
30	Daily ingestion of catechin-rich beverage increases brown adipose tissue density and decreases extramyocellular lipids in healthy young women. SpringerPlus, 2016, 5, 1363.	1.2	46
31	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.	2.2	46
32	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.	0.9	75
33	Evaluation of Brown Adipose Tissue Using Near-Infrared Time-Resolved Spectroscopy. Advances in Experimental Medicine and Biology, 2016, 876, 371-376.	0.8	3
34	<i>Kaempferia parviflora</i> Extract Increases Whole-Body Energy Expenditure in Humans: Roles of Brown Adipose Tissue. Journal of Nutritional Science and Vitaminology, 2015, 61, 79-83.	0.2	42
35	Activation and recruitment of brown adipose tissue as anti-obesity regimens in humans. Annals of Medicine, 2015, 47, 133-141.	1.5	69
36	Human brown adipose tissue assessed by simple, noninvasive near-Infrared time-resolved spectroscopy. Obesity, 2015, 23, 973-980.	1.5	46

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37	Food Ingredients as Anti-Obesity Agents. Trends in Endocrinology and Metabolism, 2015, 26, 585-587.	3.1	40
38	Roles of Brown Adipose Tissue in Seasonal Variations of Thermogenesis in Men. FASEB Journal, 2015, 29, 993.15.	0.2	2
39	Daily Ingestion of Grains of Paradise (Aframomum melegueta) Extract Increases Whole-Body Energy Expenditure and Decreases Visceral Fat in Humans. Journal of Nutritional Science and Vitaminology, 2014, 60, 22-27.	0.2	20
40	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
41	Transient receptor potential activated brown fat thermogenesis as a target of food ingredients for obesity management. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 625-631.	1.3	48
42	Capsinoids and related food ingredients activating brown fat thermogenesis and reducing body fat in humans. Current Opinion in Lipidology, 2013, 24, 71-77.	1.2	111
43	Grains of paradise (Aframomum melegueta) extract activates brown adipose tissue and increases whole-body energy expenditure in men. British Journal of Nutrition, 2013, 110, 733-738.	1.2	64
44	Recruited brown adipose tissue as an antiobesity agent in humans. Journal of Clinical Investigation, 2013, 123, 3404-3408.	3.9	792
45	Production of Functional Classical Brown Adipocytes from Human Pluripotent Stem Cells using Specific Hemopoietin Cocktail without Gene Transfer. Cell Metabolism, 2012, 16, 394-406.	7.2	142
46	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
47	Nonpungent capsaicin analogs (capsinoids) increase energy expenditure through the activation of brown adipose tissue in humans. American Journal of Clinical Nutrition, 2012, 95, 845-850.	2.2	228
48	Activation of brown adipose tissue by acute and chronic administrations of capsinoids in humans. FASEB Journal, 2012, 26, 252.4.	0.2	1
49	Brown Adipose Tissue, Wholeâ€Body Energy Expenditure, and Thermogenesis in Healthy Adult Men. Obesity, 2011, 19, 13-16.	1.5	351
50	Ageâ€Related Decrease in Coldâ€Activated Brown Adipose Tissue and Accumulation of Body Fat in Healthy Humans. Obesity, 2011, 19, 1755-1760.	1.5	402
51	High Incidence of Metabolically Active Brown Adipose Tissue in Healthy Adult Humans. Diabetes, 2009, 58, 1526-1531.	0.3	1,650