Kristy L Townsend

List of Publications by Year
in descending order

36 papers	3,367 citations	394421 19 h-index	501196 28 g-index
44 all docs	44 docs citations	44 times ranked	5429 citing authors

#	Article	IF	Citations
1	Brown adipose tissue regulates glucose homeostasis and insulin sensitivity. Journal of Clinical Investigation, 2013, 123, 215-223.	8.2	964
2	Identification of inducible brown adipocyte progenitors residing in skeletal muscle and white fat. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 143-148.	7.1	425
3	Brown-fat paucity due to impaired BMP signalling induces compensatory browning of white fat. Nature, 2013, 495, 379-383.	27.8	338
4	Brown fat fuel utilization and thermogenesis. Trends in Endocrinology and Metabolism, 2014, 25, 168-177.	7.1	261
5	A Novel Role for Subcutaneous Adipose Tissue in Exercise-Induced Improvements in Glucose Homeostasis. Diabetes, 2015, 64, 2002-2014.	0.6	248
6	Clonal analyses and gene profiling identify genetic biomarkers of the thermogenic potential of human brown and white preadipocytes. Nature Medicine, 2015, 21, 760-768.	30.7	240
7	Brown adipose tissue. Adipocyte, 2012, 1, 13-24.	2.8	135
8	Micro <scp>RNA</scp> â€455 regulates brown adipogenesis via a novel <scp>HIF</scp> 1anâ€• <scp>AMPK</scp> â€•<scp>PGC</scp> 1Î± signaling network. EMBO Reports, 2015, 16, 1378-1393.	4.5	123
9	Bone morphogenetic protein 7 (BMP7) reverses obesity and regulates appetite through a central mTOR pathway. FASEB Journal, 2012, 26, 2187-2196.	0.5	93
10	Increased Mitochondrial Activity in BMP7-Treated Brown Adipocytes, Due to Increased CPT1- and CD36-Mediated Fatty Acid Uptake. Antioxidants and Redox Signaling, 2013, 19, 243-257.	5.4	85
11	Ablation of TRIP-Br2, a regulator of fat lipolysis, thermogenesis and oxidative metabolism, prevents diet-induced obesity and insulin resistance. Nature Medicine, 2013, 19, 217-226.	30.7	65
12	The Importance of Peripheral Nerves in Adipose Tissue for the Regulation of Energy Balance. Biology, 2019, 8, 10.	2.8	49
13	High-fat diet-induced changes in body mass and hypothalamic gene expression in wild-type and leptin-deficient mice. Endocrine, 2008, 33, 176-188.	2.3	48
14	Neuropathy and neural plasticity in the subcutaneous white adipose depot. PLoS ONE, 2019, 14, e0221766.	2.5	40
15	Oxidative stress-dependent MMP-13 activity underlies glucose neurotoxicity. Journal of Diabetes and Its Complications, 2018, 32, 249-257.	2.3	28
16	Of mice and men: novel insights regarding constitutive and recruitable brown adipocytes. International Journal of Obesity Supplements, 2015, 5, S15-S20.	12.6	27
17	The involvement of neuroimmune cells in adipose innervation. Molecular Medicine, 2020, 26, 126.	4.4	27
18	Bone morphogenetic proteins (BMPs) in the central regulation of energy balance and adult neural plasticity. Metabolism: Clinical and Experimental, 2021, 123, 154837.	3.4	26

#	Article	IF	Citations
19	Visualization and analysis of whole depot adipose tissue neural innervation. IScience, 2021, 24, 103127.	4.1	22
20	Leptin receptor expression increases in placenta, but not hypothalamus, during gestation in Mus musculus and Myotis lucifugus. Placenta, 2004, 25, 712-722.	1.5	21
21	Adipose Tissue and Energy Expenditure: Central and Peripheral Neural Activation Pathways. Current Obesity Reports, 2016, 5, 241-250.	8.4	21
22	Changes in body mass, serum leptin, and mRNA levels of leptin receptor isoforms during the premigratory period in Myotis lucifugus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 217-223.	1.5	20
23	Reestablishment of Energy Balance in a Male Mouse Model With POMC Neuron Deletion of BMPR1A. Endocrinology, 2017, 158, 4233-4245.	2.8	12
24	Adipose Tissue Myeloid-Lineage Neuroimmune Cells Express Genes Important for Neural Plasticity and Regulate Adipose Innervation. Frontiers in Endocrinology, 0, 13, .	3.5	11
25	Inhibition of trophoblast invasiveness in vitro by immunoneutralization of leptin in the bat, Myotis lucifugus (Chiroptera). General and Comparative Endocrinology, 2007, 150, 59-65.	1.8	9
26	A clearing-free protocol for imaging intact whole adipose tissue innervation in mice. STAR Protocols, 2022, 3, 101109.	1.2	7
27	Silk Hydrogel-Mediated Delivery of Bone Morphogenetic Protein 7 Directly to Subcutaneous White Adipose Tissue Increases Browning and Energy Expenditure. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	4.1	6
28	A peroxidized omega-3-enriched polyunsaturated diet leads to adipose and metabolic dysfunction. Journal of Nutritional Biochemistry, 2019, 64, 50-60.	4.2	5
29	The re-emergence of adipose innervation as a research focus. Nature Reviews Endocrinology, 2020, 16, 127-128.	9.6	2
30	Wavelet-based characterization of the spatial relationship of nerve and collagen in neuropathic adipose tissue. , 2020, , .		1
31	Telomerase reverse transcriptase expression marks a population of rare adipose tissue stem cells. Stem Cells, 2022, 40, 102-111.	3.2	1
32	Cold-Induced Adaptations to the Proteome of Mouse Subcutaneous White Adipose Tissue (scWAT) Reveal Proteins Relevant for Tissue Remodeling and Plasticity. SSRN Electronic Journal, 0, , .	0.4	0
33	1207-P: Tracing Telomerase Reverse Transcriptase (Tert) Expression to a Dormant Preadipogenic Origin. Diabetes, 2021, 70, 1207-P.	0.6	0
34	A Novel Role for Adipose Tissue in Exerciseâ€Induced Improvements in Glucose Homeostasis. FASEB Journal, 2012, 26, 1142.15.	0.5	0
35	Exploratory investigation of the spatial relationships of collagen and nerves in subcutaneous white adipose tissue (scWAT) using 2-photon microscopy. , 2019, , .		0
36	Abstract P373: The Occurrence Of Neurovascular And Adipose Neuropathy In The Genetically Diverse Het3 Mouse With Aging. Circulation Research, 2021, 129, .	4.5	0