Andrea Frontini

List of Publications by Year in descending order

57 papers	7,173 citations	101543 36 h-index	149698 56 g-index
59 all docs	59 docs citations	59 times ranked	9268 citing authors

#	Article	IF	Citations
1	Prdm16 determines the thermogenic program of subcutaneous white adipose tissue in mice. Journal of Clinical Investigation, 2011, 121, 96-105.	8.2	1,036
2	Ablation of PRDM16 and Beige Adipose Causes Metabolic Dysfunction and a Subcutaneous to Visceral Fat Switch. Cell, 2014, 156, 304-316.	28.9	719
3	The presence of UCP1 demonstrates that metabolically active adipose tissue in the neck of adult humans truly represents brown adipose tissue. FASEB Journal, 2009, 23, 3113-3120.	0.5	667
4	The adipose organ of obesity-prone C57BL/6J mice is composed of mixed white and brown adipocytes. Journal of Lipid Research, 2012, 53, 619-629.	4.2	390
5	Distribution and Development of Brown Adipocytes in the Murine and Human Adipose Organ. Cell Metabolism, 2010, 11, 253-256.	16.2	376
6	Zfp423 Expression Identifies Committed Preadipocytes and Localizes to Adipose Endothelial and Perivascular Cells. Cell Metabolism, 2012, 15, 230-239.	16.2	362
7	The Vascular Endothelium of the Adipose Tissue Gives Rise to Both White and Brown Fat Cells. Cell Metabolism, 2012, 15, 222-229.	16.2	334
8	Brown and white adipose tissues: intrinsic differences in gene expression and response to cold exposure in mice. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E945-E964.	3.5	296
9	MECHANISMS IN ENDOCRINOLOGY: White, brown and pink adipocytes: the extraordinary plasticity of the adipose organ. European Journal of Endocrinology, 2014, 170, R159-R171.	3.7	199
10	White-to-brown transdifferentiation of omental adipocytes in patients affected by pheochromocytoma. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 950-959.	2.4	192
11	Convertible visceral fat as a therapeutic target to curb obesity. Nature Reviews Drug Discovery, 2016, 15, 405-424.	46.4	177
12	Adult Epicardial Fat Exhibits Beige Features. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1448-E1455.	3.6	149
13	The adipose organ: whiteâ€brown adipocyte plasticity and metabolic inflammation. Obesity Reviews, 2012, 13, 83-96.	6.5	146
14	White adipose tissue lacks significant vagal innervation and immunohistochemical evidence of parasympathetic innervation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1243-R1255.	1.8	140
15	MicroRNA-26 Family Is Required for Human Adipogenesis and Drives Characteristics of Brown Adipocytes. Stem Cells, 2014, 32, 1578-1590.	3.2	138
16	Human Dedifferentiated Adipocytes Show Similar Properties to Bone Marrowâ€Derived Mesenchymal Stem Cells. Stem Cells, 2012, 30, 965-974.	3.2	119
17	Adipocyte-secreted BMP8b mediates adrenergic-induced remodeling of the neuro-vascular network in adipose tissue. Nature Communications, 2018, 9, 4974.	12.8	104
18	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. Nature Metabolism, 2019, 1, 830-843.	11.9	103

#	Article	IF	Citations
19	Dynamic changes in lipid droplet-associated proteins in the â€œbrowningâ€•of white adipose tissues. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 924-933.	2.4	100
20	2-Arachidonoylglycerol Signaling in Forebrain Regulates Systemic Energy Metabolism. Cell Metabolism, 2012, 15, 299-310.	16.2	91
21	Leptin Increases Axonal Growth Cone Size in Developing Mouse Cortical Neurons by Convergent Signals Inactivating Glycogen Synthase Kinase-3Î². Journal of Biological Chemistry, 2006, 281, 12950-12958.	3.4	86
22	Leptin Is Induced in the Ischemic Cerebral Cortex and Exerts Neuroprotection Through NF-ÎºB/c-Relâ€“Dependent Transcription. Stroke, 2009, 40, 610-617.	2.0	83
23	Fibroblast growth factor-21 is expressed in neonatal and pheochromocytoma-induced adult human brown adipose tissue. Metabolism: Clinical and Experimental, 2014, 63, 312-317.	3.4	79
24	Stress-induced activation of brown adipose tissue prevents obesity in conditions of low adaptive thermogenesis. Molecular Metabolism, 2016, 5, 19-33.	6.5	78
25	Molecular and functional characterization of human bone marrow adipocytes. Experimental Hematology, 2013, 41, 558-566.e2.	0.4	74
26	Regional-dependent Increase of Sympathetic Innervation in Rat White Adipose Tissue during Prolonged Fasting. Journal of Histochemistry and Cytochemistry, 2005, 53, 679-687.	2.5	73
27	In Vivo Physiological Transdifferentiation of Adult Adipose Cells. Stem Cells, 2009, 27, 2761-2768.	3.2	73
28	Chronic AMP-kinase activation with AICAR reduces adiposity by remodeling adipocyte metabolism and increasing leptin sensitivity. Journal of Lipid Research, 2011, 52, 1702-1711.	4.2	67
29	Human biallelic MFN2 mutations induce mitochondrial dysfunction, upper body adipose hyperplasia, and suppression of leptin expression. ELife, 2017, 6, .	6.0	60
30	Characterization of a novel peripheral pro-lipolytic mechanism in mice: role of VGF-derived peptide TLQP-21. Biochemical Journal, 2012, 441, 511-522.	3.7	56
31	Presence and Distribution of Cholinergic Nerves in Rat Mediastinal Brown Adipose Tissue. Journal of Histochemistry and Cytochemistry, 2004, 52, 923-930.	2.5	51
32	Leptin-dependent STAT3 phosphorylation in postnatal mouse hypothalamus. Brain Research, 2008, 1215, 105-115.	2.2	51
33	Fat-specific Dicer deficiency accelerates aging and mitigates several effects of dietary restriction in mice. Aging, 2016, 8, 1201-1222.	3.1	47
34	RIP140 Represses the â€œBrown-in-Whiteâ€•Adipocyte Program Including a Futile Cycle of Triacyclglycerol Breakdown and Synthesis. Molecular Endocrinology, 2014, 28, 344-356.	3.7	44
35	Synaptogenesis in adultâ€generated hippocampal granule cells is affected by behavioral experiences. Hippocampus, 2010, 20, 799-810.	1.9	40
36	Glomerular territories in the olfactory bulb from the larval stage of the sea lampreyPetromyzon marinus. Journal of Comparative Neurology, 2003, 465, 27-37.	1.6	38

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37	Remodeling of uterine innervation. Cell and Tissue Research, 2008, 334, 1-6.	2.9	36
38	Thymus Uncoupling Protein 1 Is Exclusive to Typical Brown Adipocytes and Is Not Found in Thymocytes. Journal of Histochemistry and Cytochemistry, 2007, 55, 183-189.	2.5	34
39	The K⁺channel TASK1 modulates Î²â€adrenergic response in brown adipose tissue through the mineralocorticoid receptor pathway. FASEB Journal, 2016, 30, 909-922.	0.5	33
40	Maternal dietary loads of Î±-tocopherol depress protein kinase C signaling and synaptic plasticity in rat postnatal developing hippocampus and promote permanent deficits in adult offspring. Journal of Nutritional Biochemistry, 2011, 22, 60-70.	4.2	32
41	Mammary alveolar epithelial cells convert to brown adipocytes in postâ€lactating mice. Journal of Cellular Physiology, 2017, 232, 2923-2928.	4.1	26
42	Adipose Organ Nerves Revealed by Immunohistochemistry#. Methods in Molecular Biology, 2008, 456, 83-95.	0.9	24
43	Opposite effects of a high-fat diet and calorie restriction on ciliary neurotrophic factor signaling in the mouse hypothalamus. Frontiers in Neuroscience, 2013, 7, 263.	2.8	20
44	Liposomes containing mannose-6-phosphate-cholesteryl conjugates for lysosome-specific delivery. RSC Advances, 2014, 4, 58204-58207.	3.6	19
45	Increased density of inhibitory noradrenergic parenchymal nerve fibers in hypertrophic islets of Langerhans of obese mice. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 384-392.	2.6	17
46	Endothelial cells of adipose tissues: A niche of adipogenesis. Cell Cycle, 2012, 11, 2765-2766.	2.6	16
47	Optogeneticâ€induced sympathetic neuromodulation of brown adipose tissue thermogenesis. FASEB Journal, 2020, 34, 2765-2773.	0.5	15
48	Reply to Kreier and Buijs: no sympathy for the claim of parasympathetic innervation of white adipose tissue. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R550-R552.	1.8	14
49	Diagnosis of sudden cardiac death due to early myocardial ischemia: An ultrastructural and immunohistochemical study. European Journal of Histochemistry, 2018, 62, 2866.	1.5	13
50	Inorganic Fiber Lung Burden in Subjects with Occupational and/or Anthropogenic Environmental Asbestos Exposure in Broni (Pavia, Northern Italy): An SEM-EDS Study on Autoptic Samples. International Journal of Environmental Research and Public Health, 2021, 18, 2053.	2.6	13
51	The transcriptional profile of adipose-derived stromal cells (ASC) mirrors the whitening of adipose tissue with age. European Journal of Cell Biology, 2022, 101, 151206.	3.6	7
52	Interferon regulatory factor 7 impairs cellular metabolism with age in adipose-derived stromal cells. Journal of Cell Science, 2021, 134, .	2.0	5
53	Leptin-sensitive neurons in mouse preoptic area express Î±1A- and Î±2A-adrenergic receptor isoforms. Neuroscience Letters, 2010, 471, 83-88.	2.1	4
54	Reply to Mirabelli et al. Is Mesothelioma Unrelated to the Lung Asbestos Burden? Comment on â€œVisonÃ et al. Inorganic Fiber Lung Burden in Subjects with Occupational and/or Anthropogenic Environmental Asbestos Exposure in Broni (Pavia, Northern Italy): An SEM-EDS Study on Autoptic Samples. Int. J. Environ. Res. Public Health 2021, 18, 2053â€. International Journal of Environmental Research and Public Health, 2021, 18, 7181.	2.6	3

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55	Potential novel therapeutic strategies from understanding adipocyte transdifferentiation mechanisms. Expert Review of Endocrinology and Metabolism, 2015, 10, 143-152.	2.4	1
56	Origin of Adipocyte Precursors from Adipose Vascular Endothelium. , 2013, , 131-156.		0
57	The Adipose Organ: Morphological Perspectives of Adipose Tissues. , 2014, , 123-133.		0