

# Andrea Frontini

## List of Publications by Year in descending order

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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  | The transcriptional profile of adipose-derived stromal cells (ASC) mirrors the whitening of adipose tissue with age. <i>European Journal of Cell Biology</i> , 2022, 101, 151206.  | 3.6  | 7         |
| 2  | 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. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2053.  | 2.6  | 13        |
| 3  | Interferon regulatory factor 7 impairs cellular metabolism with age in adipose-derived stromal cells. <i>Journal of Cell Science</i> , 2021, 134, .  | 2.0  | 5         |
| 4  | Reply to Mirabelli et al. Is Mesothelioma Unrelated to the Lung Asbestos Burden? Comment on "Evison" 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. <i>Int. J. Environ. Res. Public Health</i> 2021, 18, 2053. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7181. | 2.6  | 3         |
| 5  | Optogenetic-induced sympathetic neuromodulation of brown adipose tissue thermogenesis. <i>FASEB Journal</i> , 2020, 34, 2765-2773.   | 0.5  | 15        |
| 6  | Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. <i>Nature Metabolism</i> , 2019, 1, 830-843.  | 11.9 | 103       |
| 7  | Adipocyte-secreted BMP8b mediates adrenergic-induced remodeling of the neuro-vascular network in adipose tissue. <i>Nature Communications</i> , 2018, 9, 4974.   | 12.8 | 104       |
| 8  | Diagnosis of sudden cardiac death due to early myocardial ischemia: An ultrastructural and immunohistochemical study. <i>European Journal of Histochemistry</i> , 2018, 62, 2866.  | 1.5  | 13        |
| 9  | Mammary alveolar epithelial cells convert to brown adipocytes in post-lactating mice. <i>Journal of Cellular Physiology</i> , 2017, 232, 2923-2928.  | 4.1  | 26        |
| 10 | Human biallelic MFN2 mutations induce mitochondrial dysfunction, upper body adipose hyperplasia, and suppression of leptin expression. <i>ELife</i> , 2017, 6, .   | 6.0  | 60        |
| 11 | Stress-induced activation of brown adipose tissue prevents obesity in conditions of low adaptive thermogenesis. <i>Molecular Metabolism</i> , 2016, 5, 19-33.  | 6.5  | 78        |
| 12 | The K <sup>+</sup> channel TASK1 modulates $\beta_2$ -adrenergic response in brown adipose tissue through the mineralocorticoid receptor pathway. <i>FASEB Journal</i> , 2016, 30, 909-922.  | 0.5  | 33        |
| 13 | Convertible visceral fat as a therapeutic target to curb obesity. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 405-424.  | 46.4 | 177       |
| 14 | Fat-specific Dicer deficiency accelerates aging and mitigates several effects of dietary restriction in mice. <i>Aging</i> , 2016, 8, 1201-1222.   | 3.1  | 47        |
| 15 | Potential novel therapeutic strategies from understanding adipocyte transdifferentiation mechanisms. <i>Expert Review of Endocrinology and Metabolism</i> , 2015, 10, 143-152.   | 2.4  | 1         |
| 16 | Liposomes containing mannose-6-phosphate-cholesteryl conjugates for lysosome-specific delivery. <i>RSC Advances</i> , 2014, 4, 58204-58207.  | 3.6  | 19        |
| 17 | Ablation of PRDM16 and Beige Adipose Causes Metabolic Dysfunction and a Subcutaneous to Visceral Fat Switch. <i>Cell</i> , 2014, 156, 304-316.   | 28.9 | 719       |
| 18 | MicroRNA-26 Family Is Required for Human Adipogenesis and Drives Characteristics of Brown Adipocytes. <i>Stem Cells</i> , 2014, 32, 1578-1590.   | 3.2  | 138       |

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|----|---|------|-----------|
| 19 | Increased density of inhibitory noradrenergic parenchymal nerve fibers in hypertrophic islets of Langerhans of obese mice. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 384-392.      | 2.6  | 17        |
| 20 | Brown and white adipose tissues: intrinsic differences in gene expression and response to cold exposure in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E945-E964. | 3.5  | 296       |
| 21 | RIP140 Represses the "Brown-in-White" Adipocyte Program Including a Futile Cycle of Triacylglycerol Breakdown and Synthesis. <i>Molecular Endocrinology</i> , 2014, 28, 344-356.                              | 3.7  | 44        |
| 22 | MECHANISMS IN ENDOCRINOLOGY: White, brown and pink adipocytes: the extraordinary plasticity of the adipose organ. <i>European Journal of Endocrinology</i> , 2014, 170, R159-R171.                            | 3.7  | 199       |
| 23 | Fibroblast growth factor-21 is expressed in neonatal and pheochromocytoma-induced adult human brown adipose tissue. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 312-317.                         | 3.4  | 79        |
| 24 | The Adipose Organ: Morphological Perspectives of Adipose Tissues. , 2014, , 123-133.  |      | 0         |
| 25 | Molecular and functional characterization of human bone marrow adipocytes. <i>Experimental Hematology</i> , 2013, 41, 558-566.e2.   | 0.4  | 74        |
| 26 | White-to-brown transdifferentiation of omental adipocytes in patients affected by pheochromocytoma. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 950-959.        | 2.4  | 192       |
| 27 | Dynamic changes in lipid droplet-associated proteins in the "browning" of white adipose tissues. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 924-933.           | 2.4  | 100       |
| 28 | Adult Epicardial Fat Exhibits Beige Features. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1448-E1455.  | 3.6  | 149       |
| 29 | Opposite effects of a high-fat diet and calorie restriction on ciliary neurotrophic factor signaling in the mouse hypothalamus. <i>Frontiers in Neuroscience</i> , 2013, 7, 263.                              | 2.8  | 20        |
| 30 | Origin of Adipocyte Precursors from Adipose Vascular Endothelium. , 2013, , 131-156.  |      | 0         |
| 31 | Endothelial cells of adipose tissues: A niche of adipogenesis. <i>Cell Cycle</i> , 2012, 11, 2765-2766.   | 2.6  | 16        |
| 32 | Zfp423 Expression Identifies Committed Preadipocytes and Localizes to Adipose Endothelial and Perivascular Cells. <i>Cell Metabolism</i> , 2012, 15, 230-239.   | 16.2 | 362       |
| 33 | The adipose organ of obesity-prone C57BL/6J mice is composed of mixed white and brown adipocytes. <i>Journal of Lipid Research</i> , 2012, 53, 619-629.   | 4.2  | 390       |
| 34 | Characterization of a novel peripheral pro-lipolytic mechanism in mice: role of VGF-derived peptide TLQP-21. <i>Biochemical Journal</i> , 2012, 441, 511-522.   | 3.7  | 56        |
| 35 | The Vascular Endothelium of the Adipose Tissue Gives Rise to Both White and Brown Fat Cells. <i>Cell Metabolism</i> , 2012, 15, 222-229.  | 16.2 | 334       |
| 36 | 2-Arachidonoylglycerol Signaling in Forebrain Regulates Systemic Energy Metabolism. <i>Cell Metabolism</i> , 2012, 15, 299-310.   | 16.2 | 91        |

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| 37 | The adipose organ: whiteâ€brown adipocyte plasticity and metabolic inflammation. <i>Obesity Reviews</i> , 2012, 13, 83-96.  | 6.5  | 146       |
| 38 | Human Dedifferentiated Adipocytes Show Similar Properties to Bone Marrowâ€Derived Mesenchymal Stem Cells. <i>Stem Cells</i> , 2012, 30, 965-974.  | 3.2  | 119       |
| 39 | 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. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 60-70. | 4.2  | 32        |
| 40 | Chronic AMP-kinase activation with AICAR reduces adiposity by remodeling adipocyte metabolism and increasing leptin sensitivity. <i>Journal of Lipid Research</i> , 2011, 52, 1702-1711.  | 4.2  | 67        |
| 41 | Prdm16 determines the thermogenic program of subcutaneous white adipose tissue in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 96-105.   | 8.2  | 1,036     |
| 42 | Synaptogenesis in adultâ€generated hippocampal granule cells is affected by behavioral experiences. <i>Hippocampus</i> , 2010, 20, 799-810.   | 1.9  | 40        |
| 43 | Leptin-sensitive neurons in mouse preoptic area express Î±1A- and Î±2A-adrenergic receptor isoforms. <i>Neuroscience Letters</i> , 2010, 471, 83-88.  | 2.1  | 4         |
| 44 | Distribution and Development of Brown Adipocytes in the Murine and Human Adipose Organ. <i>Cell Metabolism</i> , 2010, 11, 253-256.   | 16.2 | 376       |
| 45 | The presence of UCP1 demonstrates that metabolically active adipose tissue in the neck of adult humans truly represents brown adipose tissue. <i>FASEB Journal</i> , 2009, 23, 3113-3120.   | 0.5  | 667       |
| 46 | Leptin Is Induced in the Ischemic Cerebral Cortex and Exerts Neuroprotection Through NF-Î±B/c-Relâ€Dependent Transcription. <i>Stroke</i> , 2009, 40, 610-617.  | 2.0  | 83        |
| 47 | In Vivo Physiological Transdifferentiation of Adult Adipose Cells. <i>Stem Cells</i> , 2009, 27, 2761-2768.   | 3.2  | 73        |
| 48 | Remodeling of uterine innervation. <i>Cell and Tissue Research</i> , 2008, 334, 1-6.  | 2.9  | 36        |
| 49 | Leptin-dependent STAT3 phosphorylation in postnatal mouse hypothalamus. <i>Brain Research</i> , 2008, 1215, 105-115.  | 2.2  | 51        |
| 50 | Adipose Organ Nerves Revealed by Immunohistochemistry#. <i>Methods in Molecular Biology</i> , 2008, 456, 83-95.   | 0.9  | 24        |
| 51 | Reply to Kreier and Buijs: no sympathy for the claim of parasympathetic innervation of white adipose tissue. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R550-R552.                              | 1.8  | 14        |
| 52 | Thymus Uncoupling Protein 1 Is Exclusive to Typical Brown Adipocytes and Is Not Found in Thymocytes. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 183-189.  | 2.5  | 34        |
| 53 | White adipose tissue lacks significant vagal innervation and immunohistochemical evidence of parasympathetic innervation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1243-R1255.               | 1.8  | 140       |
| 54 | Leptin Increases Axonal Growth Cone Size in Developing Mouse Cortical Neurons by Convergent Signals Inactivating Glycogen Synthase Kinase-3Î². <i>Journal of Biological Chemistry</i> , 2006, 281, 12950-12958.   | 3.4  | 86        |

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| 55 | Regional-dependent Increase of Sympathetic Innervation in Rat White Adipose Tissue during Prolonged Fasting. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 679-687. | 2.5 | 73        |
| 56 | Presence and Distribution of Cholinergic Nerves in Rat Mediastinal Brown Adipose Tissue. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 923-930.                     | 2.5 | 51        |
| 57 | Glomerular territories in the olfactory bulb from the larval stage of the sea lamprey <i>Petromyzon marinus</i> . <i>Journal of Comparative Neurology</i> , 2003, 465, 27-37.        | 1.6 | 38        |