Rita De Matteis

List of Publications by Year
in descending order

44 papers	3,228 citations	236612 25 h-index	253896 43 g-index
44 all docs	44 docs citations	44 times ranked	4149 citing authors

#	Article	IF	Citations
1	The emergence of cold-induced brown adipocytes in mouse white fat depots is determined predominantly by white to brown adipocyte transdifferentiation. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1244-E1253.	1.8	614
2	The Vascular Endothelium of the Adipose Tissue Gives Rise to Both White and Brown Fat Cells. Cell Metabolism, 2012, 15, 222-229.	7.2	334
3	Retinoblastoma protein functions as a molecular switch determining white versus brown adipocyte differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4112-4117.	3.3	244
4	Immunohistochemical Localization of Leptin and Uncoupling Protein in White and Brown Adipose Tissue¹. Endocrinology, 1997, 138, 797-804.	1.4	196
5	UCP1 Induction during Recruitment of Brown Adipocytes in White Adipose Tissue Is Dependent on Cyclooxygenase Activity. PLoS ONE, 2010, 5, e11391.	1.1	174
6	Exercise as a new physiological stimulus for brown adipose tissue activity. Nutrition, Metabolism and Cardiovascular Diseases, 2013, 23, 582-590.	1.1	167
7	Serum amyloid A: production by human white adipocyte and regulation by obesity and nutrition. Diabetologia, 2005, 48, 519-528.	2.9	157
8	Reversible transdifferentiation of secretory epithelial cells into adipocytes in the mammary gland. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16801-16806.	3.3	135
9	Nonthyrotoxic Prevention of Diet-Induced Insulin Resistance by 3,5-Diiodo-<scp>L</scp>-Thyronine in Rats. Diabetes, 2011, 60, 2730-2739.	0.3	115
10	TH-, NPY-, SP-, and CGRP-immunoreactive nerves in interscapular brown adipose tissue of adult rats acclimated at different temperatures: an immunohistochemical study. Journal of Neurocytology, 1998, 27, 877-886.	1.6	83
11	3,5â€Diiodoâ€Lâ€thyronine prevents highâ€fatâ€dietâ€induced insulin resistance in rat skeletal muscle through metabolic and structural adaptations. FASEB Journal, 2011, 25, 3312-3324.	0.2	78
12	In Vivo Physiological Transdifferentiation of Adult Adipose Cells. Stem Cells, 2009, 27, 2761-2768.	1.4	73
13	CL316,243 and Cold Stress Induce Heterogeneous Expression of UCP1 mRNA and Protein in Rodent Brown Adipocytes. Journal of Histochemistry and Cytochemistry, 2002, 50, 21-31.	1.3	72
14	Immunohistochemical identification of the Î²3-adrenoceptor in intact human adipocytes and ventricular myocardium: effect of obesity and treatment with ephedrine and caffeine. International Journal of Obesity, 2002, 26, 1442-1450.	1.6	71
15	Perinatal expression of leptin in rat stomach. Developmental Dynamics, 2002, 223, 148-154.	0.8	63
16	Direct effects of iodothyronines on excess fat storage in rat hepatocytes. Journal of Hepatology, 2011, 54, 1230-1236.	1.8	63
17	Ultrastructural Immunolocalization of Leptin Receptor in Mouse Brain. Neuroendocrinology, 1998, 68, 412-419.	1.2	57
18	Leptin in the human stomach. Gut, 2001, 49, 155-155.	6.1	55

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19	In vivo leptin expression in cartilage and bone cells of growing rats and adult humans. Journal of Anatomy, 2004, 205, 291-296.	0.9	48
20	Intralobular ducts of human major salivary glands contain leptin and its receptor. Journal of Anatomy, 2002, 201, 363-370.	0.9	45
21	3,5-Diiodo-l-thyronine modulates the expression of genes of lipid metabolism in a rat model of fatty liver. Journal of Endocrinology, 2012, 212, 149-158.	1.2	44
22	3,5-Diiodo-L-Thyronine Activates Brown Adipose Tissue Thermogenesis in Hypothyroid Rats. PLoS ONE, 2015, 10, e0116498.	1.1	38
23	Effects of 3,5-Diiodo-L-Thyronine Administration on the Liver of High Fat Diet-Fed Rats. Experimental Biology and Medicine, 2008, 233, 549-557.	1.1	34
24	Responses of skeletal muscle lipid metabolism in rat gastrocnemius to hypothyroidism and iodothyronine administration: a putative role for FAT/CD36. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1222-E1233.	1.8	34
25	Triglyceride Mobilization from Lipid Droplets Sustains the Anti-Steatotic Action of Iodothyronines in Cultured Rat Hepatocytes. Frontiers in Physiology, 2015, 6, 418.	1.3	29
26	Changes in the Number of Primary Sensory Neurons in Normal and Vitamin-E-Deficient Rats during Aging. Somatosensory & Motor Research, 1995, 12, 317-327.	0.4	28
27	Oleoyl-estrone does not have direct estrogenic effects on rats. Life Sciences, 2001, 69, 749-761.	2.0	21
28	Corticosteroid-binding globulin synthesis and distribution in rat white adipose tissue. Molecular and Cellular Biochemistry, 2001, 228, 25-31.	1.4	19
29	Altered Mitochondrial Quality Control in Rats with Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) Induced by High-Fat Feeding. Genes, 2022, 13, 315.	1.0	18
30	Mercury-Pollution Induction of Intracellular Lipid Accumulation and Lysosomal Compartment Amplification in the Benthic Foraminifer Ammonia parkinsoniana. PLoS ONE, 2016, 11, e0162401.	1.1	17
31	3,5 Diiodo-l-Thyronine (T2) Promotes the Browning of White Adipose Tissue in High-Fat Diet-Induced Overweight Male Rats Housed at Thermoneutrality. Cells, 2019, 8, 256.	1.8	15
32	3,5-Diiodo-L-Thyronine Exerts Metabolically Favorable Effects on Visceral Adipose Tissue of Rats Receiving a High-Fat Diet. Nutrients, 2019, 11, 278.	1.7	14
33	Effects of binge ethanol on lipid homeostasis and oxidative stress in a rat model of nonalcoholic fatty liver disease. Journal of Physiology and Biochemistry, 2014, 70, 341-53.	1.3	11
34	3,5-Diiodo-L-Thyronine Affects Structural and Metabolic Features of Skeletal Muscle Mitochondria in High-Fat-Diet Fed Rats Producing a Co-adaptation to the Glycolytic Fiber Phenotype. Frontiers in Physiology, 2018, 9, 194.	1.3	11
35	Increased Number of Sciatic Sensory Neurons in Vitamin-E-Deficient Rats. Somatosensory & Motor Research, 1994, 11, 269-278.	0.4	9
36	Absence of uncoupling protein 3 at thermoneutrality influences brown adipose tissue mitochondrial functionality in mice. FASEB Journal, 2020, 34, 15146-15163.	0.2	8

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37	Absence of Uncoupling Protein-3 at Thermoneutrality Impacts Lipid Handling and Energy Homeostasis in Mice. Cells, 2019, 8, 916.	1.8	7
38	3,5-Diiodo-L-Thyronine (T2) Administration Affects Visceral Adipose Tissue Inflammatory State in Rats Receiving Long-Lasting High-Fat Diet. Frontiers in Endocrinology, 2021, 12, 703170.	1.5	7
39	Editorial: Insights Into Brown Adipose Tissue Functions and Browning Phenomenon. Frontiers in Physiology, 2020, 11, 219.	1.3	5
40	Morphological adaptation and protein modulation of myotendinous junction following moderate aerobic training. Histology and Histopathology, 2015, 30, 465-72.	0.5	5
41	The expression analysis of mouse interleukin-6 splice variants argued against their biological relevance. BMB Reports, 2012, 45, 32-37.	1.1	4
42	Temporal correlation of morphological and biochemical changes with the recruitment of different mechanisms of reactive oxygen species formation during human SW872 cell adipogenic differentiation. BioFactors, 2021, 47, 837-851.	2.6	3
43	Ablation of uncoupling protein 3 affects interrelated factors leading to lipolysis and insulin resistance in visceral white adipose tissue. FASEB Journal, 2022, 36, e22325.	0.2	3
44	Vitamin E affects quantitative age changes in lumbar motoneurons and in their peripheral projections. Mechanisms of Ageing and Development, 1997, 99, 137-152.	2.2	0