Rosalba Senese

List of Publications by Year
in descending order

44 papers	1,315 citations	361045 20 h-index	360668 35 g-index
44 all docs	44 docs citations	44 times ranked	1767 citing authors

#	Article	IF	Citations
1	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
2	Mild Endurance Exercise during Fasting Increases Gastrocnemius Muscle and Prefrontal Cortex Thyroid Hormone Levels through Differential BHB and BCAA-Mediated BDNF-mTOR Signaling in Rats. Nutrients, 2022, 14, 1166.	1.7	5
3	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
4	Adaptive Thermogenesis Driving Catch-Up Fat Is Associated With Increased Muscle Type 3 and Decreased Hepatic Type 1 Iodothyronine Deiodinase Activities: A Functional and Proteomic Study. Frontiers in Endocrinology, 2021, 12, 631176.	1.5	6
5	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
6	Absence of uncoupling protein 3 at thermoneutrality influences brown adipose tissue mitochondrial functionality in mice. FASEB Journal, 2020, 34, 15146-15163.	0.2	8
7	Mild Exercise Rescues Steroidogenesis and Spermatogenesis in Rats Submitted to Food Withdrawal. Frontiers in Endocrinology, 2020, 11, 302.	1.5	11
8	Exercise with food withdrawal at thermoneutrality impacts fuel use, the microbiome, AMPK phosphorylation, muscle fibers, and thyroid hormone levels in rats. Physiological Reports, 2020, 8, e14354.	0.7	15
9	Short-Term, Combined Fasting and Exercise Improves Body Composition in Healthy Males. International Journal of Sport Nutrition and Exercise Metabolism, 2020, 30, 386-395.	1.0	5
10	Absence of Uncoupling Protein-3 at Thermoneutrality Impacts Lipid Handling and Energy Homeostasis in Mice. Cells, 2019, 8, 916.	1.8	7
11	Thyroid hormone metabolites and analogues. Endocrine, 2019, 66, 105-114.	1.1	25
12	miR-22-3p is involved in gluconeogenic pathway modulated by 3,5-diiodo-L-thyronine (T2). Scientific Reports, 2019, 9, 16645.	1.6	12
13	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
14	Both 3,3â€²,5-triiodothyronine and 3,5-diodo-L-thyronine Are Able to Repair Mitochondrial DNA Damage but by Different Mechanisms. Frontiers in Endocrinology, 2019, 10, 216.	1.5	8
15	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
16	Editorial: Thyroid Hormone and Metabolites: Central Versus Peripheral Effects. Frontiers in Endocrinology, 2019, 10, 240.	1.5	2
17	The saturation degree of fatty acids and their derived acylcarnitines determines the direct effect of metabolically active thyroid hormones on insulin sensitivity in skeletal muscle cells. FASEB Journal, 2019, 33, 1811-1823.	0.2	18
18	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

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19	3,5-Diiodothyronine: A Novel Thyroid Hormone Metabolite and Potent Modulator of Energy Metabolism. Frontiers in Endocrinology, 2018, 9, 427.	1.5	43
20	Differential Effects of 3,5-Diiodo-L-Thyronine and 3,5,3â€™-Triiodo-L-Thyronine On Mitochondrial Respiratory Pathways in Liver from Hypothyroid Rats. Cellular Physiology and Biochemistry, 2018, 47, 2471-2483.	1.1	19
21	Metabolomic analysis shows differential hepatic effects of T2 and T3 in rats after short-term feeding with high fat diet. Scientific Reports, 2017, 7, 2023.	1.6	45
22	Both 3,5-Diiodo-L-Thyronine and 3,5,3â€²-Triiodo-L-Thyronine Prevent Short-term Hepatic Lipid Accumulation via Distinct Mechanisms in Rats Being Fed a High-Fat Diet. Frontiers in Physiology, 2017, 8, 706.	1.3	23
23	Fructose-Rich Diet Affects Mitochondrial DNA Damage and Repair in Rats. Nutrients, 2017, 9, 323.	1.7	63
24	Dâ€Aspartate Induces Proliferative Pathways in Spermatogonial GCâ€1 Cells. Journal of Cellular Physiology, 2016, 231, 490-495.	2.0	39
25	3,5-Diiodo-L-Thyronine Activates Brown Adipose Tissue Thermogenesis in Hypothyroid Rats. PLoS ONE, 2015, 10, e0116498.	1.1	38
26	New avenues for regulation of lipid metabolism by thyroid hormones and analogs. Frontiers in Physiology, 2014, 5, 475.	1.3	34
27	Thyroid: biological actions of â€˜nonclassicalâ€™ thyroid hormones. Journal of Endocrinology, 2014, 221, R1-R12.	1.2	93
28	Thyroid hormones and mitochondria: With a brief look at derivatives and analogues. Molecular and Cellular Endocrinology, 2013, 379, 51-61.	1.6	81
29	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
30	Metabolic effects of the iodothyronine functional analogue TRC150094 on the liver and skeletal muscle of high-fat diet fed overweight rats: an integrated proteomic study. Molecular BioSystems, 2012, 8, 1987.	2.9	16
31	Effect of d-aspartate uptake on uncoupling protein-3 and Î±-tubulin expressions in rat Harderian gland. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3344-3348.	1.2	8
32	Mammalian Mitochondrial Proteome And Its Functions: Current Investigative Techniques And Future Perspectives On Ageing And Diabetes. Journal of Integrated OMICS, 2011, 1, .	0.5	4
33	Uncoupling protein 3 expression levels influence insulin sensitivity, fatty acid oxidation, and related signaling pathways. Pflugers Archiv European Journal of Physiology, 2011, 461, 153-164.	1.3	46
34	Studies of Complex Biological Systems with Applications to Molecular Medicine: The Need to Integrate Transcriptomic and Proteomic Approaches. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-19.	3.0	14
35	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
36	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

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37	TRC150094, a novel functional analog of iodothyronines, reduces adiposity by increasing energy expenditure and fatty acid oxidation in rats receiving a highâ€fat diet. FASEB Journal, 2010, 24, 3451-3461.	0.2	38
38	PPARs: Nuclear Receptors Controlled by, and Controlling, Nutrient Handling through Nuclear and Cytosolic Signaling. PPAR Research, 2010, 2010, 1-10.	1.1	51
39	Atroginâ€1, MuRF1, and FoXO, as well as phosphorylated GSKâ€3Î² and 4Eâ€BP1 are reduced in skeletal muscle of chronic spinal cordâ€“injured patients. Muscle and Nerve, 2009, 40, 69-78.	1.0	71
40	Uncoupling proteins: A complex journey to function discovery. BioFactors, 2009, 35, 417-428.	2.6	69
41	Rapid Activation by 3,5,3â€²-l-Triiodothyronine of Adenosine 5â€²-Monophosphate-Activated Protein Kinase/Acetyl-Coenzyme A Carboxylase and Akt/Protein Kinase B Signaling Pathways: Relation to Changes in Fuel Metabolism and Myosin Heavy-Chain Protein Content in Rat Gastrocnemius Muscle in Vivo. Endocrinology, 2008, 149, 6462-6470.	1.4	40
42	Differential 3,5,3â€²-Triiodothyronine-Mediated Regulation of Uncoupling Protein 3 Transcription: Role of Fatty Acids. Endocrinology, 2007, 148, 4064-4072.	1.4	33
43	Acute administration of 3,5â€diiodoâ€<scp>l</scp>â€thyronine to hypothyroid rats affects bioenergetic parameters in rat skeletal muscle mitochondria. FEBS Letters, 2007, 581, 5911-5916.	1.3	28
44	Exercise with Energy Restriction as a Means of Losing Body Mass while Preserving Muscle Quality and Ameliorating Co-morbidities: Towards a Therapy for Obesity?. Translational Medicine and Exercise Prescription, 0, , 13-24.	0.0	2