Fernando Goglia

List of Publications by Year
in descending order

146 papers	6,979 citations	44069 48 h-index	71685 76 g-index
147 all docs	147 docs citations	147 times ranked	5693 citing authors

#	Article	IF	Citations
1	Nongenomic actions of thyroid hormone. Nature Reviews Endocrinology, 2016, 12, 111-121.	9.6	347
2	A function for novel uncoupling proteins: antioxidant defense of mitochondrial matrix by translocating fatty acid peroxides from the inner to the outer membrane leaflet. FASEB Journal, 2003, 17, 1585-1591.	0.5	221
3	Metabolic Effects of Thyroid Hormone Derivatives. Thyroid, 2008, 18, 239-253.	4.5	209
4	3,5-Diiodothyronine binds to subunit Va of cytochrome-c oxidase and abolishes the allosteric inhibition of respiration by ATP. FEBS Journal, 1998, 252, 325-330.	0.2	184
5	Brain Uncoupling Protein 2: Uncoupled Neuronal Mitochondria Predict Thermal Synapses in Homeostatic Centers. Journal of Neuroscience, 1999, 19, 10417-10427.	3.6	163
6	Dietary zinc supplementation of 3xTg-AD mice increases BDNF levels and prevents cognitive deficits as well as mitochondrial dysfunction. Cell Death and Disease, 2010, 1, e91-e91.	6.3	162
7	Action of thyroid hormones at the cellular level: the mitochondrial target. FEBS Letters, 1999, 452, 115-120.	2.8	153
8	3,5â€Diiodoâ€•L â€thyronine powerfully reduces adiposity in rats by increasing the burning of fats. FASEB Journal, 2005, 19, 1552-1554.	0.5	133
9	Thyroid hormone and uncoupling proteins. FEBS Letters, 2003, 543, 5-10.	2.8	125
10	Fasting-Induced Increase in Type II Iodothyronine Deiodinase Activity and Messenger Ribonucleic Acid Levels Is Not Reversed by Thyroxine in the Rat Hypothalamus1. Endocrinology, 1998, 139, 2879-2884.	2.8	124
11	Fuel economy in foodâ€deprived skeletal muscle: signaling pathways and regulatory mechanisms. FASEB Journal, 2007, 21, 3431-3441.	0.5	123
12	How the thyroid controls metabolism in the rat: different roles for triiodothyronine and diiodothyronines. Journal of Physiology, 1997, 505, 529-538.	2.9	115
13	Fenofibrate prevents and reduces body weight gain and adiposity in diet-induced obese rats. FEBS Letters, 2001, 491, 154-158.	2.8	115
14	Nonthyrotoxic Prevention of Diet-Induced Insulin Resistance by 3,5-Diiodo-<scp>L</scp>-Thyronine in Rats. Diabetes, 2011, 60, 2730-2739.	0.6	115
15	Hepatitis C Virus Infection: Evidence for an association with type 2 diabetes. Diabetes Care, 2005, 28, 2548-2550.	8.6	114
16	Expression of uncoupling protein-3 and mitochondrial activity in the transition from hypothyroid to hyperthyroid state in rat skeletal muscle. FEBS Letters, 1999, 444, 250-254.	2.8	108
17	3,5-diiodo-l-thyronine, by modulating mitochondrial functions, reverses hepatic fat accumulation in rats fed a high-fat diet. Journal of Hepatology, 2009, 51, 363-370.	3.7	106
18	Uncoupling Protein-3 Is a Molecular Determinant for the Regulation of Resting Metabolic Rate by Thyroid Hormone. Endocrinology, 2001, 142, 3414-3420.	2.8	105

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19	Induction of UCP2mRNA by thyroid hormones in rat heart. FEBS Letters, 1997, 418, 171-174.	2.8	94
20	Thyroid: biological actions of â€˜nonclassicalâ€™ thyroid hormones. Journal of Endocrinology, 2014, 221, R1-R12.	2.6	93
21	Are the Effects of T3 on Resting Metabolic Rate in Euthyroid Rats Entirely Caused by T3 Itself?. Endocrinology, 2002, 143, 504-510.	2.8	90
22	Defining the transcriptomic and proteomic profiles of rat ageing skeletal muscle by the use of a cDNA array, 2D- and Blue native-PAGE approach. Journal of Proteomics, 2009, 72, 708-721.	2.4	85
23	Thyroid hormones and mitochondria: With a brief look at derivatives and analogues. Molecular and Cellular Endocrinology, 2013, 379, 51-61.	3.2	81
24	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.	0.5	78
25	Thyroid hormones as molecular determinants of thermogenesis. Acta Physiologica Scandinavica, 2005, 184, 265-283.	2.2	77
26	Calorigenic effect of diiodothyronines in the rat.. Journal of Physiology, 1996, 494, 831-837.	2.9	74
27	Uncoupling proteins-2 and 3 influence obesity and inflammation in transgenic mice. International Journal of Obesity, 2003, 27, 433-442.	3.4	74
28	3,5-Diiodo-<scp>l</scp>-thyronine rapidly enhances mitochondrial fatty acid oxidation rate and thermogenesis in rat skeletal muscle: AMP-activated protein kinase involvement. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E497-E502.	3.5	73
29	Biological effects of 3,5-diiodothyronine (T2). Biochemistry (Moscow), 2005, 70, 164-172.	1.5	72
30	Uncoupling proteins: A complex journey to function discovery. BioFactors, 2009, 35, 417-428.	5.4	69
31	Thyroid Hormones and Mitochondria. Bioscience Reports, 2002, 22, 17-32.	2.4	67
32	Effect of 3,3â€²-di-iodothyronine and 3,5-di-iodothyronine on rat liver mitochondria. Journal of Endocrinology, 1993, 136, 59-64.	2.6	66
33	Interaction of diiodothyronines with isolated cytochromecoxidase. FEBS Letters, 1994, 346, 295-298.	2.8	66
34	Sequential changes in the signal transduction responses of skeletal muscle following food deprivation. FASEB Journal, 2006, 20, 2579-2581.	0.5	66
35	Direct effects of iodothyronines on excess fat storage in rat hepatocytes. Journal of Hepatology, 2011, 54, 1230-1236.	3.7	63
36	Activation and inactivation of thyroid hormone by type I iodothyronine deiodinase. FEBS Letters, 1994, 344, 143-146.	2.8	62

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37	Rapid stimulation in vitro of rat liver cytochrome oxidase activity by 3,5-diiodo-l-thyronine and by 3,3â€²-diiodo-l-thyronine. Molecular and Cellular Endocrinology, 1994, 99, 89-94.	3.2	62
38	In vitro binding of triiodothyronine to rat liver mitochondria. Pflugers Archiv European Journal of Physiology, 1981, 390, 120-124.	2.8	61
39	Effect of 3,3â€²-diiodothyronine and 3,5-diiodothyronine on rat liver oxidative capacity. Molecular and Cellular Endocrinology, 1992, 86, 143-148.	3.2	58
40	Effect of 3,5-di-iodo-L-thyronine on the mitochondrial energy-transduction apparatus. Biochemical Journal, 1998, 330, 521-526.	3.7	57
41	Mitochondrial Actions of Thyroid Hormone. , 2016, 6, 1591-1607.		55
42	Combined cDNA array/RTâ€PCR analysis of gene expression profile in rat gastrocnemius muscle: relation to its adaptive function in energy metabolism during fasting. FASEB Journal, 2004, 18, 1-22.	0.5	52
43	Non-receptor-mediated actions are responsible for the lipid-lowering effects of iodothyronines in FaO rat hepatoma cells. Journal of Endocrinology, 2011, 210, 59-69.	2.6	52
44	Monosynaptic Pathway Between the Arcuate Nucleus Expressing Glial Type II Iodothyronine 5â€²-Deiodinase mRNA and the Median Eminence-Projective TRH Cells of the Rat Paraventricular Nucleus. Journal of Neuroendocrinology, 2001, 10, 731-742.	2.6	51
45	PPARs: Nuclear Receptors Controlled by, and Controlling, Nutrient Handling through Nuclear and Cytosolic Signaling. PPAR Research, 2010, 2010, 1-10.	2.4	51
46	Alterations of brain and cerebellar proteomes linked to AÎ² and tau pathology in a female triple-transgenic murine model of Alzheimer's disease. Cell Death and Disease, 2010, 1, e90-e90.	6.3	51
47	Control of energy metabolism by iodothyronines. Journal of Endocrinological Investigation, 2001, 24, 897-913.	3.3	50
48	Genetic Deletion of Uncoupling Protein 3 Exaggerates Apoptotic Cell Death in the Ischemic Heart Leading to Heart Failure. Journal of the American Heart Association, 2013, 2, e000086.	3.7	50
49	3,5-diiodo-L-thyronine increases resting metabolic rate and reduces body weight without undesirable side effects. Journal of Biological Regulators and Homeostatic Agents, 2011, 25, 655-60.	0.7	50
50	UCP3 Translocates Lipid Hydroperoxide and Mediates Lipid Hydroperoxide-dependent Mitochondrial Uncoupling. Journal of Biological Chemistry, 2010, 285, 16599-16605.	3.4	48
51	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.	2.8	46
52	Thyroid hormones, mitochondrial bioenergetics and lipid handling. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 402-407.	2.3	45
53	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.	3.3	45
54	In vitro binding of 3,5-di-iodo-L-thyronine to rat liver mitochondria. Journal of Molecular Endocrinology, 1994, 13, 275-282.	2.5	44

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55	Demonstration of in vivo metabolic effects of 3,5-di-iodothyronine. Journal of Endocrinology, 1996, 149, 319-325.	2.6	44
56	3,5-Diiodo-l-Thyronine Regulates Glucose-6-Phosphate Dehydrogenase Activity in the Rat*. Endocrinology, 2000, 141, 1729-1734.	2.8	44
57	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.	2.6	44
58	Biochemical and functional differences in rat liver mitochondrial subpopulations obtained at different gravitational forces. International Journal of Biochemistry and Cell Biology, 1996, 28, 337-343.	2.8	43
59	3,5-Diiodothyronine: A Novel Thyroid Hormone Metabolite and Potent Modulator of Energy Metabolism. Frontiers in Endocrinology, 2018, 9, 427.	3.5	43
60	Characterisation of oxidative phosphorylation in skeletal muscle mitochondria subpopulations in pig: a study using top-down elasticity analysis. FEBS Letters, 2000, 475, 84-88.	2.8	42
61	Thyroid hormone analogues and derivatives: Actions in fatty liver. World Journal of Hepatology, 2014, 6, 114.	2.0	42
62	Pathways affected by 3,5-diiodo-l-thyronine in liver of high fat-fed rats: Evidence from two-dimensional electrophoresis, blue-native PAGE, and mass spectrometry. Molecular BioSystems, 2010, 6, 2256.	2.9	41
63	Fasting, lipid metabolism, and triiodothyronine in rat gastrocnemius muscle: interrelated roles of uncoupling protein 3, mitochondrial thioesterase, and coenzyme Q. FASEB Journal, 2003, 17, 1112-1114.	0.5	40
64	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.	2.8	40
65	Light mitochondria and cellular thermogenesis. Biochemical and Biophysical Research Communications, 1988, 151, 1241-1249.	2.1	39
66	Serum levels of proinflammatory cytokines interleukinâ€1Î², interleukinâ€6, and tumor necrosis factor Î± in mixed cryoglobulinemia. Arthritis and Rheumatism, 2009, 60, 3841-3847.	6.7	39
67	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.	0.5	38
68	3,5-Diiodo-L-Thyronine Activates Brown Adipose Tissue Thermogenesis in Hypothyroid Rats. PLoS ONE, 2015, 10, e0116498.	2.5	38
69	The effects of 3,5-diiodothyronine on energy balance. Frontiers in Physiology, 2015, 5, 528.	2.8	38
70	Segregation of the intra- and extrahypothalamic neuropeptide Y and catecholaminergic inputs on paraventricular neurons, including those producing thyrotropin-releasing hormone. Regulatory Peptides, 1998, 75-76, 117-126.	1.9	36
71	De novo expression of uncoupling protein 3 is associated to enhanced mitochondrial thioesterase-1 expression and fatty acid metabolism in liver of fenofibrate-treated rats. FEBS Letters, 2002, 525, 7-12.	2.8	36
72	Regulation of skeletal muscle mitochondrial activity by thyroid hormones: focus on the â€œoldâ€• triiodothyronine and the â€œemergingâ€•3,5-diiodothyronine. Frontiers in Physiology, 2015, 6, 237.	2.8	36

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73	Exercise, fasting, and mimetics: toward beneficial combinations?. FASEB Journal, 2017, 31, 14-28.	0.5	36
74	Thyroid state and mitochondrial population during cold exposure. Pflugers Archiv European Journal of Physiology, 1983, 396, 49-53.	2.8	35
75	3,5-Diiodo- l -thyronine and 3,5,3â€²-triiodo- l -thyronine both improve the cold tolerance of hypothyroid rats, but possibly via different mechanisms. Pflugers Archiv European Journal of Physiology, 1998, 436, 407-414.	2.8	35
76	Peroxisome Proliferator-Activated Receptor Delta: A Conserved Director of Lipid Homeostasis through Regulation of the Oxidative Capacity of Muscle. PPAR Research, 2008, 2008, 1-7.	2.4	34
77	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.	3.5	34
78	Differential 3,5,3â€²-Triiodothyronine-Mediated Regulation of Uncoupling Protein 3 Transcription: Role of Fatty Acids. Endocrinology, 2007, 148, 4064-4072.	2.8	33
79	Age-related changes in renal and hepatic cellular mechanisms associated with variations in rat serum thyroid hormone levels. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E1160-E1168.	3.5	32
80	Effect of age and cold exposure on morphofunctional characteristics of skeletal muscle in neonatal pigs. Pflugers Archiv European Journal of Physiology, 2002, 444, 610-618.	2.8	30
81	Triiodothyronine modulates the expression of aquaporin-8 in rat liver mitochondria. Journal of Endocrinology, 2007, 192, 111-120.	2.6	30
82	3,5-Diiodo-L-Thyronine Modifies the Lipid Droplet Composition in a Model of Hepatosteatosis. Cellular Physiology and Biochemistry, 2014, 33, 344-356.	1.6	30
83	Triglyceride Mobilization from Lipid Droplets Sustains the Anti-Steatotic Action of Iodothyronines in Cultured Rat Hepatocytes. Frontiers in Physiology, 2015, 6, 418.	2.8	29
84	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.	2.8	28
85	Effect of Iodothyronines on Thermogenesis: Focus on Brown Adipose Tissue. Frontiers in Endocrinology, 2018, 9, 254.	3.5	27
86	Uncoupling Protein-3 Is a Molecular Determinant for the Regulation of Resting Metabolic Rate by Thyroid Hormone. Endocrinology, 2001, 142, 3414-3420.	2.8	27
87	Rapid glucuronidation of tri- and tetraiodothyroacetic acid to ester glucuronides in human liver and to ether glucuronides in rat liver.. Endocrinology, 1994, 135, 1004-1009.	2.8	26
88	Thyroid-hormone effects on putative biochemical pathways involved in UCP3 activation in rat skeletal muscle mitochondria. FEBS Letters, 2005, 579, 1639-1645.	2.8	26
89	High Expression of Thyroid Hormone Receptors and Mitochondrial Glycerol-3-phosphate Dehydrogenase in the Liver Is Linked to Enhanced Fatty Acid Oxidation in Lou/C, a Rat Strain Resistant to Obesity. Journal of Biological Chemistry, 2009, 284, 4308-4316.	3.4	25
90	Thyroid hormone metabolites and analogues. Endocrine, 2019, 66, 105-114.	2.3	25

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91	Cold exposure induces different uncoupling-protein thermogenin masking/unmasking processes in brown adipose tissue depending on mitochondrial subtypes. Biochemical Journal, 1994, 300, 463-468.	3.7	24
92	Mitochondrial DNA, RNA and protein synthesis in normal, hypothyroid and mildly hyperthyroid rat liver during cold exposure. Molecular and Cellular Endocrinology, 1988, 55, 141-147.	3.2	23
93	Specific binding sites for 3,3â€²-diiodo-l-thyronine (3,3â€²-T2) in rat liver mitochondria. FEBS Letters, 1994, 351, 237-240.	2.8	23
94	Intracellular and plasma membrane-initiated pathways involved in the [Ca²⁺]_ielevations induced by iodothyronines (T3 and T2) in pituitary GH₃cells. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1419-E1430.	3.5	23
95	Direct and rapid effects of 3,5-diiodo-L-thyronine (T2). Molecular and Cellular Endocrinology, 2017, 458, 121-126.	3.2	23
96	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.	2.8	23
97	The effect of thyroid state on respiratory activities of three rat liver mitochondrial fractions. Molecular and Cellular Endocrinology, 1989, 62, 41-46.	3.2	22
98	Effect of 3,5-diiodo-L-thyronine on thyroid stimulating hormone and growth hormone serum levels in hypothyroid rats. Life Sciences, 1998, 62, 2369-2377.	4.3	21
99	Interrelated influence of superoxides and free fatty acids over mitochondrial uncoupling in skeletal muscle. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 826-833.	1.0	21
100	Skeletal muscle mitochondrial free-fatty-acid content and membrane potential sensitivity in different thyroid states: involvement of uncoupling protein-3 and adenine nucleotide translocase. FEBS Letters, 2002, 532, 12-16.	2.8	20
101	Thyroid-State Influence on Protein-Expression Profile of Rat Skeletal Muscle. Journal of Proteome Research, 2007, 6, 3187-3196.	3.7	20
102	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.	1.6	19
103	Bioenergetic Aspects of Mitochondrial Actions of Thyroid Hormones. Cells, 2022, 11, 997.	4.1	19
104	Modification of nucleic acid levels per mitochondrion induced by thyroidectomy or triiodothyronine administration. Pflugers Archiv European Journal of Physiology, 1976, 366, 73-77.	2.8	18
105	A Proteomics Approach to Identify Protein Expression Changes in Rat Liver Following Administration of 3,5,3â€˜-Triiodo-l-thyronine. Journal of Proteome Research, 2006, 5, 2317-2327.	3.7	18
106	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.	0.5	18
107	Altered Mitochondrial Quality Control in Rats with Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) Induced by High-Fat Feeding. Genes, 2022, 13, 315.	2.4	18
108	Fenofibrate activates the biochemical pathways and the de novo expression of genes related to lipid handling and uncoupling protein-3 functions in liver of normal rats. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 486-495.	1.0	17

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109	High levels of circulating N-terminal pro-brain natriuretic peptide in patients with hepatitis C. Journal of Viral Hepatitis, 2010, 17, 851-853.	2.0	17
110	Are the Effects of T3 on Resting Metabolic Rate in Euthyroid Rats Entirely Caused by T3 Itself?. Endocrinology, 2002, 143, 504-510.	2.8	17
111	Morphometric-stereologic analysis of brown adipocyte differentiation in adult mice. American Journal of Physiology - Cell Physiology, 1992, 262, C1018-C1023.	4.6	16
112	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
113	Identification of 3,5-Diiodo-l-Thyronine-Binding Proteins in Rat Liver Cytosol by Photoaffinity Labeling. Endocrinology, 2003, 144, 2297-2303.	2.8	15
114	Combined Effect of Gender and Caloric Restriction on Liver Proteomic Expression Profile. Journal of Proteome Research, 2008, 7, 2872-2881.	3.7	15
115	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.	4.1	15
116	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.	1.7	15
117	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
118	3,5-Diiodo-L-Thyronine Exerts Metabolically Favorable Effects on Visceral Adipose Tissue of Rats Receiving a High-Fat Diet. Nutrients, 2019, 11, 278.	4.1	14
119	TRC150094 attenuates progression of nontraditional cardiovascular risk factors associated with obesity and type 2 diabetes in obese ZSF1 rats. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2011, 4, 5.	2.4	14
120	Thyroid state and mitochondrial population during maturation and ageing. Journal of Endocrinological Investigation, 1980, 3, 293-296.	3.3	13
121	(Healthy) Ageing: Focus on Iodothyronines. International Journal of Molecular Sciences, 2013, 14, 13873-13892.	4.1	12
122	miR-22-3p is involved in gluconeogenic pathway modulated by 3,5-diiodo-L-thyronine (T2). Scientific Reports, 2019, 9, 16645.	3.3	12
123	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.	2.8	11
124	Effect of thyroid status on the oxidative capacity of Sertoli cells isolated from immature rat testis. European Journal of Endocrinology, 1994, 130, 308-312.	3.7	10
125	Effect of cold acclimation on oxidative capacity and respiratory properties of liver and muscle mitochondria in ducklings, Cairina moschata. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 106, 95-101.	0.2	9
126	Proteomic approaches for the study of tissue specific effects of 3,5,3Ã¢â‚¬Â²-triiodo-L-thyronine and 3,5-diiodo-L-thyronine in conditions of altered energy metabolism. Frontiers in Physiology, 2014, 5, 491.	2.8	9

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127	3,5-Diiodo-L-Thyronine Regulates Glucose-6-Phosphate Dehydrogenase Activity in the Rat. Endocrinology, 2000, 141, 1729-1734.	2.8	9
128	Triiodothyronine receptor sites in serum-free cultured hepatocytes from adult rat liver. Cell Biochemistry and Function, 1985, 3, 91-94.	2.9	8
129	3,5,3â€²-Triiodo-L-Thyronine- and 3,5-Diiodo-L-Thyronine- Affected Metabolic Pathways in Liver of LDL Receptor Deficient Mice. Frontiers in Physiology, 2016, 7, 545.	2.8	8
130	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.	3.5	8
131	Absence of uncoupling protein 3 at thermoneutrality influences brown adipose tissue mitochondrial functionality in mice. FASEB Journal, 2020, 34, 15146-15163.	0.5	8
132	Absence of Uncoupling Protein-3 at Thermoneutrality Impacts Lipid Handling and Energy Homeostasis in Mice. Cells, 2019, 8, 916.	4.1	7
133	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.	3.5	7
134	Tri-iodothyronine enhances the formation of light mitochondria during cold exposure. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 85, 869-873.	0.2	5
135	Liver and brown fat mitochondrial response to cold in the garden dormouse (Eliomys quercinus). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 809-813.	0.2	5
136	Elevated hepatic mitochondrial oxidative capacities in cold exposed rats. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 327-331.	0.2	5
137	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
138	Oxidative damage and mitochondrial functionality in hearts from KO UCP3 mice housed at thermoneutrality. Journal of Physiology and Biochemistry, 2022, 78, 415-425.	3.0	4
139	Ablation of uncoupling protein 3 affects interrelated factors leading to lipolysis and insulin resistance in visceral white adipose tissue. FASEB Journal, 2022, 36, e22325.	0.5	3
140	Regulation of Electron Transport and Proton Pumping of Cytochrome c Oxidase by Nucleotides and Thyroid Hormones. Progress in Cell Research, 1995, 5, 19-23.	0.3	2
141	Characterization of the binding of 3,3â€²-di-iodo-l-thyronine to rat liver mitochondria. Journal of Endocrinology, 1997, 154, 119-124.	2.6	1
142	MITCHELL MEDAL LECTURE. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1-551.	1.0	1
143	Metabolic Action of Thyroid Hormones: Insights from Functional and Proteomic Studies. Current Proteomics, 2008, 5, 45-61.	0.3	1
144	BN-PAGE-Based Approach to Study Thyroid Hormones and Mitochondrial Function. Methods in Molecular Biology, 2015, 1241, 111-122.	0.9	1

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145	BN-PAGE-Based Approach to Study Thyroid Hormones and Mitochondrial Function. Methods in Molecular Biology, 2021, 2310, 33-45.	0.9	0
146	Studies of Complex Biological Systems with Applications to Molecular Medicine: The Need to Integrate Transcriptomic and Proteomic Approaches. , 2014, , 29-70.		0