

Fernando Goglia

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141
papers

5,704
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68
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144
ext. papers

6,272
ext. citations

4.4
avg. IF

5.42
L-index

#	Paper	IF	Citations
141	Nongenomic actions of thyroid hormone. <i>Nature Reviews Endocrinology</i> , 2016 , 12, 111-21	15.2	246
140	A function for novel uncoupling proteins: antioxidant defense of mitochondrial matrix by translocating fatty acid peroxides from the inner to the outer membrane leaflet. <i>FASEB Journal</i> , 2003 , 17, 1585-91	0.9	196
139	Metabolic effects of thyroid hormone derivatives. <i>Thyroid</i> , 2008 , 18, 239-53	6.2	181
138	3,5-Diiodothyronine binds to subunit Va of cytochrome-c oxidase and abolishes the allosteric inhibition of respiration by ATP. <i>FEBS Journal</i> , 1998 , 252, 325-30		155
137	Brain uncoupling protein 2: uncoupled neuronal mitochondria predict thermal synapses in homeostatic centers. <i>Journal of Neuroscience</i> , 1999 , 19, 10417-27	6.6	146
136	Dietary zinc supplementation of 3xTg-AD mice increases BDNF levels and prevents cognitive deficits as well as mitochondrial dysfunction. <i>Cell Death and Disease</i> , 2010 , 1, e91	9.8	127
135	Action of thyroid hormones at the cellular level: the mitochondrial target. <i>FEBS Letters</i> , 1999 , 452, 115-20	3.8	117
134	Fasting-induced increase in type II iodothyronine deiodinase activity and messenger ribonucleic acid levels is not reversed by thyroxine in the rat hypothalamus. <i>Endocrinology</i> , 1998 , 139, 2879-84	4.8	115
133	3,5-diiodo-L-thyronine powerfully reduces adiposity in rats by increasing the burning of fats. <i>FASEB Journal</i> , 2005 , 19, 1552-4	0.9	112
132	Fuel economy in food-deprived skeletal muscle: signaling pathways and regulatory mechanisms. <i>FASEB Journal</i> , 2007 , 21, 3431-41	0.9	108
131	Thyroid hormone and uncoupling proteins. <i>FEBS Letters</i> , 2003 , 543, 5-10	3.8	103
130	Fenofibrate prevents and reduces body weight gain and adiposity in diet-induced obese rats. <i>FEBS Letters</i> , 2001 , 491, 154-8	3.8	101
129	Nonthyrotoxic prevention of diet-induced insulin resistance by 3,5-diiodo-L-thyronine in rats. <i>Diabetes</i> , 2011 , 60, 2730-9	0.9	98
128	Hepatitis C virus infection: evidence for an association with type 2 diabetes. <i>Diabetes Care</i> , 2005 , 28, 2548-50	14.6	97
127	How the thyroid controls metabolism in the rat: different roles for triiodothyronine and diiodothyronines. <i>Journal of Physiology</i> , 1997 , 505 (Pt 2), 529-38	3.9	96
126	Uncoupling protein-3 is a molecular determinant for the regulation of resting metabolic rate by thyroid hormone. <i>Endocrinology</i> , 2001 , 142, 3414-20	4.8	96
125	3,5-diiodo-L-thyronine, by modulating mitochondrial functions, reverses hepatic fat accumulation in rats fed a high-fat diet. <i>Journal of Hepatology</i> , 2009 , 51, 363-70	13.4	93

124	Expression of uncoupling protein-3 and mitochondrial activity in the transition from hypothyroid to hyperthyroid state in rat skeletal muscle. <i>FEBS Letters</i> , 1999 , 444, 250-4	3.8	89
123	Thyroid: biological actions of nonclassical thyroid hormones. <i>Journal of Endocrinology</i> , 2014 , 221, R1-124.7		78
122	Defining the transcriptomic and proteomic profiles of rat ageing skeletal muscle by the use of a cDNA array, 2D- and Blue native-PAGE approach. <i>Journal of Proteomics</i> , 2009 , 72, 708-21	3.9	76
121	Induction of UCP2 mRNA by thyroid hormones in rat heart. <i>FEBS Letters</i> , 1997 , 418, 171-4	3.8	75
120	Are the effects of T3 on resting metabolic rate in euthyroid rats entirely caused by T3 itself?. <i>Endocrinology</i> , 2002 , 143, 504-10	4.8	71
119	Uncoupling proteins-2 and 3 influence obesity and inflammation in transgenic mice. <i>International Journal of Obesity</i> , 2003 , 27, 433-42	5.5	70
118	3,5-Diiodo-L-thyronine prevents high-fat-diet-induced insulin resistance in rat skeletal muscle through metabolic and structural adaptations. <i>FASEB Journal</i> , 2011 , 25, 3312-24	0.9	68
117	Thyroid hormones as molecular determinants of thermogenesis. <i>Acta Physiologica Scandinavica</i> , 2005 , 184, 265-83		68
116	3,5-Diiodo-L-thyronine rapidly enhances mitochondrial fatty acid oxidation rate and thermogenesis in rat skeletal muscle: AMP-activated protein kinase involvement. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E497-502	6	65
115	Thyroid hormones and mitochondria: with a brief look at derivatives and analogues. <i>Molecular and Cellular Endocrinology</i> , 2013 , 379, 51-61	4.4	64
114	Biological effects of 3,5-diiodothyronine (T(2)). <i>Biochemistry (Moscow)</i> , 2005 , 70, 164-72	2.9	63
113	Thyroid hormones and mitochondria. <i>Bioscience Reports</i> , 2002 , 22, 17-32	4.1	61
112	Sequential changes in the signal transduction responses of skeletal muscle following food deprivation. <i>FASEB Journal</i> , 2006 , 20, 2579-81	0.9	59
111	Uncoupling proteins: a complex journey to function discovery. <i>BioFactors</i> , 2009 , 35, 417-28	6.1	58
110	Effect of 3,3,5-triiodo-L-thyronine and 3,5-di-iodothyronine on rat liver mitochondria. <i>Journal of Endocrinology</i> , 1993 , 136, 59-64	4.7	58
109	Calorigenic effect of diiodothyronines in the rat. <i>Journal of Physiology</i> , 1996 , 494 (Pt 3), 831-7	3.9	56
108	Rapid stimulation in vitro of rat liver cytochrome oxidase activity by 3,5-diiodo-L-thyronine and by 3,3,5-triiodo-L-thyronine. <i>Molecular and Cellular Endocrinology</i> , 1994 , 99, 89-94	4.4	56
107	Interaction of diiodothyronines with isolated cytochrome c oxidase. <i>FEBS Letters</i> , 1994 , 346, 295-8	3.8	54

106	In vitro binding of triiodothyronine to rat liver mitochondria. <i>Pflugers Archiv European Journal of Physiology</i> , 1981 , 390, 120-4	4.6	54
105	Effect of 3,3,5-triiodothyronine and 3,5-diiodothyronine on rat liver oxidative capacity. <i>Molecular and Cellular Endocrinology</i> , 1992 , 86, 143-8	4.4	53
104	Effect of 3,5-di-iodo-L-thyronine on the mitochondrial energy-transduction apparatus. <i>Biochemical Journal</i> , 1998 , 330 (Pt 1), 521-6	3.8	51
103	Combined cDNA array/RT-PCR analysis of gene expression profile in rat gastrocnemius muscle: relation to its adaptive function in energy metabolism during fasting. <i>FASEB Journal</i> , 2004 , 18, 350-2	0.9	49
102	Direct effects of iodothyronines on excess fat storage in rat hepatocytes. <i>Journal of Hepatology</i> , 2011 , 54, 1230-6	13.4	48
101	3,5-diiodo-L-thyronine increases resting metabolic rate and reduces body weight without undesirable side effects. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2011 , 25, 655-60	0.7	46
100	Monosynaptic pathway between the arcuate nucleus expressing glial type II iodothyronine 5 α -reductase mRNA and the median eminence-projective TRH cells of the rat paraventricular nucleus. <i>Journal of Neuroendocrinology</i> , 1998 , 10, 731-42	3.8	45
99	Control of energy metabolism by iodothyronines. <i>Journal of Endocrinological Investigation</i> , 2001 , 24, 897-913	5.2	45
98	Non-receptor-mediated actions are responsible for the lipid-lowering effects of iodothyronines in FaO rat hepatoma cells. <i>Journal of Endocrinology</i> , 2011 , 210, 59-69	4.7	42
97	In vitro binding of 3,5-di-iodo-L-thyronine to rat liver mitochondria. <i>Journal of Molecular Endocrinology</i> , 1994 , 13, 275-82	4.5	42
96	Alterations of brain and cerebellar proteomes linked to A β and tau pathology in a female triple-transgenic murine model of Alzheimer's disease. <i>Cell Death and Disease</i> , 2010 , 1, e90	9.8	41
95	Demonstration of in vivo metabolic effects of 3,5-di-iodothyronine. <i>Journal of Endocrinology</i> , 1996 , 149, 319-25	4.7	41
94	Genetic deletion of uncoupling protein 3 exaggerates apoptotic cell death in the ischemic heart leading to heart failure. <i>Journal of the American Heart Association</i> , 2013 , 2, e000086	6	40
93	UCP3 translocates lipid hydroperoxide and mediates lipid hydroperoxide-dependent mitochondrial uncoupling. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16599-605	5.4	40
92	Uncoupling protein 3 expression levels influence insulin sensitivity, fatty acid oxidation, and related signaling pathways. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 461, 153-64	4.6	39
91	3,5-Diiodo-L-thyronine modulates the expression of genes of lipid metabolism in a rat model of fatty liver. <i>Journal of Endocrinology</i> , 2012 , 212, 149-58	4.7	38
90	Thyroid hormones, mitochondrial bioenergetics and lipid handling. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010 , 17, 402-7	4	38
89	Rapid activation by 3,5,3,5-tetraiodo-L-thyronine of adenosine 5'-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. <i>Endocrinology</i> , 2008 , 149, 6162-70	4.8	37

88	Biochemical and functional differences in rat liver mitochondrial subpopulations obtained at different gravitational forces. <i>International Journal of Biochemistry and Cell Biology</i> , 1996 , 28, 337-43	5.6	37
87	PPARs: Nuclear Receptors Controlled by, and Controlling, Nutrient Handling through Nuclear and Cytosolic Signaling. <i>PPAR Research</i> , 2010 , 2010,	4.3	36
86	Activation and inactivation of thyroid hormone by type I iodothyronine deiodinase. <i>FEBS Letters</i> , 1994 , 344, 143-6	3.8	36
85	Mitochondrial Actions of Thyroid Hormone. <i>Comprehensive Physiology</i> , 2016 , 6, 1591-1607	7.7	36
84	Serum levels of proinflammatory cytokines interleukin-1beta, interleukin-6, and tumor necrosis factor alpha in mixed cryoglobulinemia. <i>Arthritis and Rheumatism</i> , 2009 , 60, 3841-7		35
83	Light mitochondria and cellular thermogenesis. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 151, 1241-9	3.4	35
82	3,5-diiodo-L-thyronine regulates glucose-6-phosphate dehydrogenase activity in the rat. <i>Endocrinology</i> , 2000 , 141, 1729-34	4.8	34
81	Thyroid hormone analogues and derivatives: Actions in fatty liver. <i>World Journal of Hepatology</i> , 2014 , 6, 114-29	3.4	33
80	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. <i>Molecular BioSystems</i> , 2010 , 6, 2256-71		33
79	Characterisation of oxidative phosphorylation in skeletal muscle mitochondria subpopulations in pig: a study using top-down elasticity analysis. <i>FEBS Letters</i> , 2000 , 475, 84-8	3.8	33
78	3,5-Diiodo-L-thyronine activates brown adipose tissue thermogenesis in hypothyroid rats. <i>PLoS ONE</i> , 2015 , 10, e0116498	3.7	32
77	Segregation of the intra- and extrahypothalamic neuropeptide Y and catecholaminergic inputs on paraventricular neurons, including those producing thyrotropin-releasing hormone. <i>Regulatory Peptides</i> , 1998 , 75-76, 117-26		32
76	Fasting, lipid metabolism, and triiodothyronine in rat gastrocnemius muscle: interrelated roles of uncoupling protein 3, mitochondrial thioesterase, and coenzyme Q. <i>FASEB Journal</i> , 2003 , 17, 1112-4	0.9	32
75	Metabolomic analysis shows differential hepatic effects of T and T in rats after short-term feeding with high fat diet. <i>Scientific Reports</i> , 2017 , 7, 2023	4.9	31
74	Thyroid state and mitochondrial population during cold exposure. <i>Pflugers Archiv European Journal of Physiology</i> , 1983 , 396, 49-53	4.6	31
73	Peroxisome Proliferator-Activated Receptor Delta: A Conserved Director of Lipid Homeostasis through Regulation of the Oxidative Capacity of Muscle. <i>PPAR Research</i> , 2008 , 2008, 172676	4.3	30
72	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. <i>FEBS Letters</i> , 2002 , 525, 7-12	3.8	30
71	3,5-Diiodothyronine: A Novel Thyroid Hormone Metabolite and Potent Modulator of Energy Metabolism. <i>Frontiers in Endocrinology</i> , 2018 , 9, 427	5.7	29

70	3,5-Diiodo-L-thyronine and 3,5,3Rtriiodo-L-thyronine both improve the cold tolerance of hypothyroid rats, but possibly via different mechanisms. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 436, 407-14	4.6	28
69	Triiodothyronine modulates the expression of aquaporin-8 in rat liver mitochondria. <i>Journal of Endocrinology</i> , 2007 , 192, 111-20	4.7	28
68	3,5-diiodo-L-thyronine modifies the lipid droplet composition in a model of hepatosteatosis. <i>Cellular Physiology and Biochemistry</i> , 2014 , 33, 344-56	3.9	27
67	TRC150094, a novel functional analog of iodothyronines, reduces adiposity by increasing energy expenditure and fatty acid oxidation in rats receiving a high-fat diet. <i>FASEB Journal</i> , 2010 , 24, 3451-61	0.9	27
66	The effects of 3,5-diiodothyronine on energy balance. <i>Frontiers in Physiology</i> , 2014 , 5, 528	4.6	26
65	Regulation of skeletal muscle mitochondrial activity by thyroid hormones: focus on the "old" triiodothyronine and the "emerging" 3,5-diiodothyronine. <i>Frontiers in Physiology</i> , 2015 , 6, 237	4.6	26
64	Age-related changes in renal and hepatic cellular mechanisms associated with variations in rat serum thyroid hormone levels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E1160-8	6	26
63	Differential 3,5,3Rtriiodothyronine-mediated regulation of uncoupling protein 3 transcription: role of Fatty acids. <i>Endocrinology</i> , 2007 , 148, 4064-72	4.8	26
62	Thyroid-hormone effects on putative biochemical pathways involved in UCP3 activation in rat skeletal muscle mitochondria. <i>FEBS Letters</i> , 2005 , 579, 1639-45	3.8	26
61	Responses of skeletal muscle lipid metabolism in rat gastrocnemius to hypothyroidism and iodothyronine administration: a putative role for FAT/CD36. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E1222-33	6	25
60	Acute administration of 3,5-diiodo-L-thyronine to hypothyroid rats affects bioenergetic parameters in rat skeletal muscle mitochondria. <i>FEBS Letters</i> , 2007 , 581, 5911-6	3.8	24
59	Rapid glucuronidation of tri- and tetraiodothyroacetic acid to ester glucuronides in human liver and to ether glucuronides in rat liver. <i>Endocrinology</i> , 1994 , 135, 1004-9	4.8	24
58	Cold exposure induces different uncoupling-protein thermogenin masking/unmasking processes in brown adipose tissue depending on mitochondrial subtypes. <i>Biochemical Journal</i> , 1994 , 300 (Pt 2), 463-8	3.8	24
57	Exercise, fasting, and mimetics: toward beneficial combinations?. <i>FASEB Journal</i> , 2017 , 31, 14-28	0.9	23
56	Triglyceride Mobilization from Lipid Droplets Sustains the Anti-Steatotic Action of Iodothyronines in Cultured Rat Hepatocytes. <i>Frontiers in Physiology</i> , 2015 , 6, 418	4.6	23
55	Effect of age and cold exposure on morphofunctional characteristics of skeletal muscle in neonatal pigs. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 444, 610-8	4.6	22
54	Mitochondrial DNA, RNA and protein synthesis in normal, hypothyroid and mildly hyperthyroid rat liver during cold exposure. <i>Molecular and Cellular Endocrinology</i> , 1988 , 55, 141-7	4.4	21
53	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. <i>Journal of Biological Chemistry</i> , 2009 , 284, 4308-16	5.4	20

52	Interrelated influence of superoxides and free fatty acids over mitochondrial uncoupling in skeletal muscle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 826-33	4.6	20
51	The effect of thyroid state on respiratory activities of three rat liver mitochondrial fractions. <i>Molecular and Cellular Endocrinology</i> , 1989 , 62, 41-6	4.4	20
50	Effect of Iodothyronines on Thermogenesis: Focus on Brown Adipose Tissue. <i>Frontiers in Endocrinology</i> , 2018 , 9, 254	5.7	19
49	Effect of 3,5-diiodo-L-thyronine on thyroid stimulating hormone and growth hormone serum levels in hypothyroid rats. <i>Life Sciences</i> , 1998 , 62, 2369-77	6.8	19
48	Thyroid-state influence on protein-expression profile of rat skeletal muscle. <i>Journal of Proteome Research</i> , 2007 , 6, 3187-96	5.6	19
47	Both 3,5-Diiodo-L-Thyronine and 3,5,3RTriiodo-L-Thyronine Prevent Short-term Hepatic Lipid Accumulation via Distinct Mechanisms in Rats Being Fed a High-Fat Diet. <i>Frontiers in Physiology</i> , 2017 , 8, 706	4.6	18
46	Intracellular and plasma membrane-initiated pathways involved in the [Ca ²⁺] _i elevations induced by iodothyronines (T3 and T2) in pituitary GH3 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E1419-30	6	18
45	Specific binding sites for 3,3Rdiiodo-L-thyronine (3,3RT2) in rat liver mitochondria. <i>FEBS Letters</i> , 1994 , 351, 237-40	3.8	18
44	Modification of nucleic acid levels per mitochondrion induced by thyroidectomy or triiodothyronine administration. <i>Pflugers Archiv European Journal of Physiology</i> , 1976 , 366, 73-7	4.6	18
43	A proteomics approach to identify protein expression changes in rat liver following administration of 3,5,3RTriiodo-L-thyronine. <i>Journal of Proteome Research</i> , 2006 , 5, 2317-27	5.6	17
42	Skeletal muscle mitochondrial free-fatty-acid content and membrane potential sensitivity in different thyroid states: involvement of uncoupling protein-3 and adenine nucleotide translocase. <i>FEBS Letters</i> , 2002 , 532, 12-6	3.8	17
41	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. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 486-95	4.6	16
40	Direct and rapid effects of 3,5-diiodo-L-thyronine (T2). <i>Molecular and Cellular Endocrinology</i> , 2017 , 458, 121-126	4.4	15
39	Morphometric-stereologic analysis of brown adipocyte differentiation in adult mice. <i>American Journal of Physiology - Cell Physiology</i> , 1992 , 262, C1018-23	5.4	15
38	High levels of circulating N-terminal pro-brain natriuretic peptide in patients with hepatitis C. <i>Journal of Viral Hepatitis</i> , 2010 , 17, 851-3	3.4	14
37	Combined effect of gender and caloric restriction on liver proteomic expression profile. <i>Journal of Proteome Research</i> , 2008 , 7, 2872-81	5.6	14
36	Identification of 3,5-diiodo-L-thyronine-binding proteins in rat liver cytosol by photoaffinity labeling. <i>Endocrinology</i> , 2003 , 144, 2297-303	4.8	14
35	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. <i>Molecular BioSystems</i> , 2012 , 8, 1987-2000		13

34	TRC150094 attenuates progression of nontraditional cardiovascular risk factors associated with obesity and type 2 diabetes in obese ZSF1 rats. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2011 , 4, 5-16	3.4	12
33	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. <i>FASEB Journal</i> , 2019 , 33, 1811-1823	0.9	12
32	Thyroid state and mitochondrial population during maturation and ageing. <i>Journal of Endocrinological Investigation</i> , 1980 , 3, 293-6	5.2	11
31	3,5 Diiodo-L-Thyronine (T ₂) Promotes the Browning of White Adipose Tissue in High-Fat Diet-Induced Overweight Male Rats Housed at Thermoneutrality. <i>Cells</i> , 2019 , 8,	7.9	10
30	Differential Effects of 3,5-Diiodo-L-Thyronine and 3,5,3Rtriiodo-L-Thyronine On Mitochondrial Respiratory Pathways in Liver from Hypothyroid Rats. <i>Cellular Physiology and Biochemistry</i> , 2018 , 47, 2471-2483	3.9	10
29	Studies of complex biological systems with applications to molecular medicine: the need to integrate transcriptomic and proteomic approaches. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 810242		10
28	Effect of thyroid status on the oxidative capacity of Sertoli cells isolated from immature rat testis. <i>European Journal of Endocrinology</i> , 1994 , 130, 308-12	6.5	10
27	Thyroid hormone metabolites and analogues. <i>Endocrine</i> , 2019 , 66, 105-114	4	9
26	(Healthy) ageing: focus on iodothyronines. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13873-98.3	9.3	9
25	3,5-Diiodo-L-Thyronine Exerts Metabolically Favorable Effects on Visceral Adipose Tissue of Rats Receiving a High-Fat Diet. <i>Nutrients</i> , 2019 , 11,	6.7	8
24	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. <i>Frontiers in Physiology</i> , 2018 , 9, 194	4.6	8
23	Exercise with food withdrawal at thermoneutrality impacts fuel use, the microbiome, AMPK phosphorylation, muscle fibers, and thyroid hormone levels in rats. <i>Physiological Reports</i> , 2020 , 8, e14354	2.6	7
22	Proteomic approaches for the study of tissue specific effects of 3,5,3Rtriiodo-L-thyronine and 3,5-diiodo-L-thyronine in conditions of altered energy metabolism. <i>Frontiers in Physiology</i> , 2014 , 5, 491	4.6	7
21	Triiodothyronine receptor sites in serum-free cultured hepatocytes from adult rat liver. <i>Cell Biochemistry and Function</i> , 1985 , 3, 91-4	4.2	7
20	Absence of Uncoupling Protein-3 at Thermoneutrality Impacts Lipid Handling and Energy Homeostasis in Mice. <i>Cells</i> , 2019 , 8,	7.9	6
19	miR-22-3p is involved in gluconeogenic pathway modulated by 3,5-diiodo-L-thyronine (T ₂). <i>Scientific Reports</i> , 2019 , 9, 16645	4.9	6
18	Effect of cold acclimation on oxidative capacity and respiratory properties of liver and muscle mitochondria in ducklings, <i>Cairina moschata</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993 , 106, 95-101		6
17	3,5,3Rtriiodo-L-Thyronine- and 3,5-Diiodo-L-Thyronine- Affected Metabolic Pathways in Liver of LDL Receptor Deficient Mice. <i>Frontiers in Physiology</i> , 2016 , 7, 545	4.6	6

16	Both 3,3,5-triiodothyronine and 3,5-diodo-L-thyronine Are Able to Repair Mitochondrial DNA Damage but by Different Mechanisms. <i>Frontiers in Endocrinology</i> , 2019 , 10, 216	5.7	5
15	Tri-iodothyronine enhances the formation of light mitochondria during cold exposure. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1986 , 85, 869-73		5
14	Absence of uncoupling protein 3 at thermoneutrality influences brown adipose tissue mitochondrial functionality in mice. <i>FASEB Journal</i> , 2020 , 34, 15146-15163	0.9	4
13	Mammalian Mitochondrial Proteome And Its Functions: Current Investigative Techniques And Future Perspectives On Ageing And Diabetes. <i>Journal of Integrated OMICS</i> , 2011 , 1,	0.5	3
12	Liver and brown fat mitochondrial response to cold in the garden dormouse (<i>Eliomys quercinus</i>). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 97, 809-13		2
11	3,5-Diiodo-L-Thyronine (T2) Administration Affects Visceral Adipose Tissue Inflammatory State in Rats Receiving Long-Lasting High-Fat Diet. <i>Frontiers in Endocrinology</i> , 2021 , 12, 703170	5.7	2
10	Metabolic Action of Thyroid Hormones: Insights from Functional and Proteomic Studies. <i>Current Proteomics</i> , 2008 , 5, 45-61	0.7	1
9	MITCHELL MEDAL LECTURE. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1-551	4.6	1
8	Elevated hepatic mitochondrial oxidative capacities in cold exposed rats. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 97, 327-31		1
7	BN-PAGE-based approach to study thyroid hormones and mitochondrial function. <i>Methods in Molecular Biology</i> , 2015 , 1241, 111-22	1.4	1
6	Regulation of Electron Transport and Proton Pumping of Cytochrome c Oxidase by Nucleotides and Thyroid Hormones. <i>Progress in Cell Research</i> , 1995 , 5, 19-23		1
5	Oxidative damage and mitochondrial functionality in hearts from KO UCP3 mice housed at thermoneutrality.. <i>Journal of Physiology and Biochemistry</i> , 2022 , 1	5	0
4	Characterization of the binding of 3,3Rdi-iodo-L-thyronine to rat liver mitochondria. <i>Journal of Endocrinology</i> , 1997 , 154, 119-24	4.7	
3	Studies of Complex Biological Systems with Applications to Molecular Medicine: The Need to Integrate Transcriptomic and Proteomic Approaches 2014 , 29-70		
2	BN-PAGE-Based Approach to Study Thyroid Hormones and Mitochondrial Function. <i>Methods in Molecular Biology</i> , 2021 , 2310, 33-45	1.4	
1	Ablation of uncoupling protein 3 affects interrelated factors leading to lipolysis and insulin resistance in visceral white adipose tissue.. <i>FASEB Journal</i> , 2022 , 36, e22325	0.9	