

Alessandra Baracca

List of Publications by Year in descending order

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47
papers

4,101
citations

218677

26
h-index

214800

47
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47
all docs

47
docs citations

47
times ranked

6778
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial respiration in rats during hypothermia resulting from central drug administration. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2022, 192, 349.	1.5	3
2	The ATPase Inhibitory Factor 1 (IF1) regulates the expression of the mitochondrial Ca ²⁺ uniporter (MCU) via the AMPK/CREB pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118860.	4.1	9
3	The ATP Synthase Deficiency in Human Diseases. <i>Life</i> , 2021, 11, 325.	2.4	27
4	The F1Fo-ATPase inhibitor, IF1, is a critical regulator of energy metabolism in cancer cells. <i>Biochemical Society Transactions</i> , 2021, 49, 815-827.	3.4	10
5	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Tc 1,430	9.1	1,430
6	Effects of Standardized Green Tea Extract and Its Main Component, EGCG, on Mitochondrial Function and Contractile Performance of Healthy Rat Cardiomyocytes. <i>Nutrients</i> , 2020, 12, 2949.	4.1	6
7	Mitochondrial Mass Assessment in a Selected Cell Line under Different Metabolic Conditions. <i>Cells</i> , 2019, 8, 1454.	4.1	8
8	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. <i>Circulation Research</i> , 2018, 122, e75-e83.	4.5	46
9	Hypoxia and IF1 Expression Promote ROS Decrease in Cancer Cells. <i>Cells</i> , 2018, 7, 64.	4.1	36
10	Resveratrol preserves mitochondrial function in a human post-mitotic cell model. <i>Journal of Nutritional Biochemistry</i> , 2018, 62, 9-17.	4.2	9
11	Long-Term Oral Administration of Theaphenon-E Improves Cardiomyocyte Mechanics and Calcium Dynamics by Affecting Phospholamban Phosphorylation and ATP Production. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1230-1243.	1.6	12
12	Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA. <i>Autophagy</i> , 2016, 12, 2098-2112.	9.1	21
13	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. <i>Oncotarget</i> , 2016, 7, 5521-5537.	1.8	30
14	The Inhibitor Protein (IF1) of the F1Fo-ATPase Modulates Human Osteosarcoma Cell Bioenergetics. <i>Journal of Biological Chemistry</i> , 2015, 290, 6338-6348.	3.4	37
15	Hypoxia inducible factor-1 alpha as a therapeutic target in multiple myeloma. <i>Oncotarget</i> , 2014, 5, 1779-1792.	1.8	53
16	Mitochondria hyperfusion and elevated autophagic activity are key mechanisms for cellular bioenergetic preservation in centenarians. <i>Aging</i> , 2014, 6, 296-310.	3.1	70
17	Glucose plays a main role in human fibroblasts adaptation to hypoxia. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1356-1365.	2.8	21
18	Oxidative phosphorylation in cancer cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 534-542.	1.0	183

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19	Mitochondrial Complex I decrease is responsible for bioenergetic dysfunction in K-ras transformed cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 314-323.	1.0	119
20	Mitochondrial respiratory chain super-complex I III in physiology and pathology. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 633-640.	1.0	107
21	Hypoxia and mitochondrial oxidative metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1171-1177.	1.0	474
22	Involvement of stat3 in mouse brain development and sexual dimorphism: A proteomics approach. <i>Brain Research</i> , 2010, 1362, 1-12.	2.2	21
23	Human NARP Mitochondrial Mutation Metabolism Corrected With \pm -Ketoglutarate/Aspartate. <i>Archives of Neurology</i> , 2009, 66, 951-7.	4.5	37
24	The study of the pathogenic mechanism of mitochondrial diseases provides information on basic bioenergetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 941-945.	1.0	22
25	A novel deletion in the GTPase domain of OPA1 causes defects in mitochondrial morphology and distribution, but not in function. <i>Human Molecular Genetics</i> , 2008, 17, 3291-3302.	2.9	91
26	Biochemical phenotypes associated with the mitochondrial ATP6 gene mutations at nt8993. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 913-919.	1.0	90
27	Evaluating Mitochondrial Membrane Potential in Cells. <i>Bioscience Reports</i> , 2007, 27, 11-21.	2.4	103
28	Inefficient coupling between proton transport and ATP synthesis may be the pathogenic mechanism for NARP and Leigh syndrome resulting from the T8993G mutation in mtDNA. <i>Biochemical Journal</i> , 2006, 395, 493-500.	3.7	97
29	Severe ultrastructural mitochondrial changes in lymphoblasts homozygous for Huntington disease mutation. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 217-220.	4.6	85
30	Defective Oxidative Phosphorylation in Thyroid Oncocytic Carcinoma Is Associated with Pathogenic Mitochondrial DNA Mutations Affecting Complexes I and III. <i>Cancer Research</i> , 2006, 66, 6087-6096.	0.9	204
31	New Insights Into Structure and Function of Mitochondria and Their Role in Aging and Disease. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 417-437.	5.4	91
32	Mitochondrial Complex I: structure, function, and implications in neurodegeneration. <i>Italian Journal of Biochemistry</i> , 2006, 55, 232-53.	0.3	12
33	Severe Impairment of Complex I-Driven Adenosine Triphosphate Synthesis in Leber Hereditary Optic Neuropathy Cybrids. <i>Archives of Neurology</i> , 2005, 62, 730.	4.5	144
34	Mitochondrial Quinone Reductases: Complex I. <i>Methods in Enzymology</i> , 2004, 382, 3-20.	1.0	27
35	Biochemical-Clinical Correlation in Patients With Different Loads of the Mitochondrial DNA T8993G Mutation. <i>Archives of Neurology</i> , 2002, 59, 264.	4.5	69
36	Effect of the oxidative stress induced by adriamycin on rat hepatocyte bioenergetics during ageing. <i>Mechanisms of Ageing and Development</i> , 2000, 113, 1-21.	4.6	24

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37	Catalytic Activities of Mitochondrial ATP Synthase in Patients with Mitochondrial DNA T8993G Mutation in the ATPase 6 Gene Encoding Subunit a. <i>Journal of Biological Chemistry</i> , 2000, 275, 4177-4182.	3.4	100
38	The effect of aging and an oxidative stress on peroxide levels and the mitochondrial membrane potential in isolated rat hepatocytes. <i>FEBS Letters</i> , 1999, 449, 53-56.	2.8	41
39	Protonophoric Activity of NADH Coenzyme Q Reductase and ATP Synthase in Coupled Submitochondrial Particles from Horse Platelets. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 469-473.	2.1	8
40	Effect of dietary oils containing graded amounts of 18:3 n-6 and 18:4 n-3 on cell plasma membranes. <i>Journal of Nutritional Biochemistry</i> , 1995, 6, 21-26.	4.2	6
41	Conformational Changes of the Mitochondrial F1-ATPase ϵ -Subunit Induced by Nucleotide Binding as Observed by Phosphorescence Spectroscopy. <i>Journal of Biological Chemistry</i> , 1995, 270, 21845-21851.	3.4	9
42	Lack of major changes in ATPase activity in mitochondria from liver, heart, and skeletal muscle of rats upon ageing. <i>Mechanisms of Ageing and Development</i> , 1995, 84, 139-150.	4.6	30
43	Mitochondrial activities of rat heart during ageing. <i>Mechanisms of Ageing and Development</i> , 1994, 76, 73-88.	4.6	36
44	Tryptophan phosphorescence as a structural probe of mitochondrial F1-ATPase epsilon-subunit. <i>FEBS Journal</i> , 1993, 214, 729-734.	0.2	16
45	Cytochrome b of fish mitochondria is strongly resistant to funiculosin, a powerful inhibitor of respiration. <i>Archives of Biochemistry and Biophysics</i> , 1992, 295, 198-204.	3.0	15
46	Effect of 2-hydroxy-5-nitrobenzyl bromide on proton translocation by the mitochondrial H ⁺ -ATPase. <i>Biochemical and Biophysical Research Communications</i> , 1988, 155, 130-137.	2.1	2
47	Temperature-dependent conformational changes in isolated oligomycin-sensitive ATPase. <i>FEBS Letters</i> , 1983, 155, 131-134.	2.8	10