

Domenico De Rasmio

List of Publications by Year in descending order

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41
papers

2,043
citations

186265

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times ranked

3621
citing authors

#	ARTICLE	IF	CITATIONS
1	The Oxidative Phosphorylation System in Mammalian Mitochondria. <i>Advances in Experimental Medicine and Biology</i> , 2012, 942, 3-37.	1.6	198
2	Prohibitins: A Critical Role in Mitochondrial Functions and Implication in Diseases. <i>Cells</i> , 2019, 8, 71.	4.1	136
3	Epigallocatechin-3-gallate prevents oxidative phosphorylation deficit and promotes mitochondrial biogenesis in human cells from subjects with Down's syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 542-552.	3.8	124
4	Mitochondrial defect and PGC-1 β dysfunction in parkin-associated familial Parkinson's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1041-1053.	3.8	111
5	cAMP-dependent protein kinase regulates the mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. <i>Cellular Signalling</i> , 2008, 20, 989-997.	3.6	97
6	The polyphenols resveratrol and epigallocatechin-3-gallate restore the severe impairment of mitochondria in hippocampal progenitor cells from a Down syndrome mouse model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1093-1104.	3.8	96
7	cAMP response element-binding protein (CREB) is imported into mitochondria and promotes protein synthesis. <i>FEBS Journal</i> , 2009, 276, 4325-4333.	4.7	82
8	Mammalian complex I: A regulable and vulnerable pacemaker in mitochondrial respiratory function. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 719-728.	1.0	80
9	Mitochondria as pharmacological targets in Down syndrome. <i>Free Radical Biology and Medicine</i> , 2018, 114, 69-83.	2.9	79
10	Respiratory chain complex I, a main regulatory target of the cAMP/PKA pathway is defective in different human diseases. <i>FEBS Letters</i> , 2012, 586, 568-577.	2.8	75
11	Occurrence of A-kinase anchor protein and associated cAMP-dependent protein kinase in the inner compartment of mammalian mitochondria. <i>FEBS Letters</i> , 2006, 580, 5690-5696.	2.8	73
12	Complex I deficiencies in neurological disorders. <i>Trends in Molecular Medicine</i> , 2013, 19, 61-69.	6.7	65
13	Mitochondrial free radical overproduction due to respiratory chain impairment in the brain of a mouse model of Rett syndrome: protective effect of CNF1. <i>Free Radical Biology and Medicine</i> , 2015, 83, 167-177.	2.9	65
14	Oncogenic K-ras expression is associated with derangement of the cAMP/PKA pathway and forskolin-reversible alterations of mitochondrial dynamics and respiration. <i>Oncogene</i> , 2013, 32, 352-362.	5.9	54
15	Intramitochondrial adenyl cyclase controls the turnover of nuclear-encoded subunits and activity of mammalian complex I of the respiratory chain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 183-191.	4.1	45
16	Impaired enzymatic defensive activity, mitochondrial dysfunction and proteasome activation are involved in RTT cell oxidative damage. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2066-2074.	3.8	44
17	Mitochondrial cAMP prevents apoptosis modulating Sirt3 protein level and OPA1 processing in cardiac myoblast cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 355-366.	4.1	42
18	Phosphorylation pattern of the NDUFS4 subunit of complex I of the mammalian respiratory chain. <i>Mitochondrion</i> , 2010, 10, 464-471.	3.4	41

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19	Human Ovarian Cancer Tissue Exhibits Increase of Mitochondrial Biogenesis and Cristae Remodeling. <i>Cancers</i> , 2019, 11, 1350.	3.7	40
20	Regulation of the biogenesis of OXPHOS complexes in cell transition from replicating to quiescent state. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 675-684.	4.1	39
21	Inhibition of Drp1-mediated mitochondrial fission improves mitochondrial dynamics and bioenergetics stimulating neurogenesis in hippocampal progenitor cells from a Down syndrome mouse model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3117-3127.	3.8	37
22	Activation of the cAMP cascade in human fibroblast cultures rescues the activity of oxidatively damaged complex I. <i>Free Radical Biology and Medicine</i> , 2012, 52, 757-764.	2.9	35
23	cAMP regulates the functional activity, coupling efficiency and structural organization of mammalian F ₀ F ₁ ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 350-358.	1.0	35
24	T16189C mitochondrial DNA variant is associated with metabolic syndrome in Caucasian subjects. <i>Nutrition</i> , 2011, 27, 773-777.	2.4	34
25	Pathogenetic mechanisms in hereditary dysfunctions of complex I of the respiratory chain in neurological diseases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 502-517.	1.0	33
26	Uncoupling FoxO3A mitochondrial and nuclear functions in cancer cells undergoing metabolic stress and chemotherapy. <i>Cell Death and Disease</i> , 2018, 9, 231.	6.3	33
27	cAMP-dependent protein kinase regulates post-translational processing and expression of complex I subunits in mammalian cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 649-658.	1.0	31
28	The β -adrenoceptor agonist isoproterenol promotes the activity of respiratory chain complex I and lowers cellular reactive oxygen species in fibroblasts and heart myoblasts. <i>European Journal of Pharmacology</i> , 2011, 652, 15-22.	3.5	30
29	cAMP/Ca ²⁺ response element-binding protein plays a central role in the biogenesis of respiratory chain proteins in mammalian cells. <i>IUBMB Life</i> , 2010, 62, 447-452.	3.4	25
30	Impact of atypical mitochondrial cyclic-AMP level in nephropathic cystinosis. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3411-3422.	5.4	25
31	ISCA1 mutation in a patient with infantile-onset leukodystrophy causes defects in mitochondrial [4Fe-4S] proteins. <i>Human Molecular Genetics</i> , 2018, 27, 2739-2754.	2.9	25
32	Mitochondria, Oxidative Stress, cAMP Signalling and Apoptosis: A Crossroads in Lymphocytes of Multiple Sclerosis, a Possible Role of Nutraceuticals. <i>Antioxidants</i> , 2021, 10, 21.	5.1	25
33	A Larger Spectrum of Intragenic Short Tandem Repeats Improves Linkage Analysis and Localization of Intragenic Recombination Detection in the Dystrophin Gene. <i>Journal of Molecular Diagnostics</i> , 2007, 9, 64-69.	2.8	19
34	Mitochondrial Dynamics of Proximal Tubular Epithelial Cells in Nephropathic Cystinosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 192.	4.1	19
35	Increased Levels of cAMP by the Calcium-Dependent Activation of Soluble Adenylyl Cyclase in Parkin-Mutant Fibroblasts. <i>Cells</i> , 2019, 8, 250.	4.1	13
36	The regulation of PTC containing transcripts of the human NDUF54 gene of complex I of respiratory chain and the impact of pathological mutations. <i>Biochimie</i> , 2008, 90, 1452-1460.	2.6	11

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37	Pharmacological Activation of Protein Phosphatase 2 A (PP2A): A Novel Strategy to Fight Against Human Malignancies?. <i>Current Medicinal Chemistry</i> , 2016, 23, 4286-4296.	2.4	8
38	ISCA1 mutation in a patient with infantile-onset leukodystrophy causes defects in mitochondrial [4Fe-4S] proteins. <i>Human Molecular Genetics</i> , 2018, 27, 3650-3650.	2.9	6
39	Resveratrol Treatment in Human Parkin-Mutant Fibroblasts Modulates cAMP and Calcium Homeostasis Regulating the Expression of Mitochondria-Associated Membranes Resident Proteins. <i>Biomolecules</i> , 2021, 11, 1511.	4.0	6
40	Rat Embryo Exposure to All- <i>Trans</i> Retinoic Acid Results in Postnatal Oxidative Damage of Respiratory Complex I in the Cerebellum. <i>Molecular Pharmacology</i> , 2011, 80, 704-713.	2.3	5
41	cAMP-dependent protein kinase promotes mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. <i>FASEB Journal</i> , 2007, 21, A661.	0.5	0