Domenico De Rasmo

List of Publications by Year
in descending order

41 papers	2,043 citations	186265 28 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	3621 citing authors

#	Article	IF	Citations
1	Mitochondria, Oxidative Stress, cAMP Signalling and Apoptosis: A Crossroads in Lymphocytes of Multiple Sclerosis, a Possible Role of Nutraceutics. Antioxidants, 2021, 10, 21.	5.1	25
2	Resveratrol Treatment in Human Parkin-Mutant Fibroblasts Modulates cAMP and Calcium Homeostasis Regulating the Expression of Mitochondria-Associated Membranes Resident Proteins. Biomolecules, 2021, 11, 1511.	4.0	6
3	Mitochondrial Dynamics of Proximal Tubular Epithelial Cells in Nephropathic Cystinosis. International Journal of Molecular Sciences, 2020, 21, 192.	4.1	19
4	Human Ovarian Cancer Tissue Exhibits Increase of Mitochondrial Biogenesis and Cristae Remodeling. Cancers, 2019, 11, 1350.	3.7	40
5	Prohibitins: A Critical Role in Mitochondrial Functions and Implication in Diseases. Cells, 2019, 8, 71.	4.1	136
6	Increased Levels of cAMP by the Calcium-Dependent Activation of Soluble Adenylyl Cyclase in Parkin-Mutant Fibroblasts. Cells, 2019, 8, 250.	4.1	13
7	Uncoupling FoxO3A mitochondrial and nuclear functions in cancer cells undergoing metabolic stress and chemotherapy. Cell Death and Disease, 2018, 9, 231.	6.3	33
8	Impact of atypical mitochondrial cyclic-AMP level in nephropathic cystinosis. Cellular and Molecular Life Sciences, 2018, 75, 3411-3422.	5.4	25
9	Mitochondria as pharmacological targets in Down syndrome. Free Radical Biology and Medicine, 2018, 114, 69-83.	2.9	79
10	ISCA1 mutation in a patient with infantile-onset leukodystrophy causes defects in mitochondrial [4Feâ€“4S] proteins. Human Molecular Genetics, 2018, 27, 3650-3650.	2.9	6
11	ISCA1 mutation in a patient with infantile-onset leukodystrophy causes defects in mitochondrial [4Feâ€“4S] proteins. Human Molecular Genetics, 2018, 27, 2739-2754.	2.9	25
12	Mitochondrial cAMP prevents apoptosis modulating Sirt3 protein level and OPA1 processing in cardiac myoblast cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 355-366.	4.1	42
13	Inhibition of Drp1-mediated mitochondrial fission improves mitochondrial dynamics and bioenergetics stimulating neurogenesis in hippocampal progenitor cells from a Down syndrome mouse model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3117-3127.	3.8	37
14	cAMP regulates the functional activity, coupling efficiency and structural organization of mammalian F O F 1 ATP synthase. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 350-358.	1.0	35
15	The polyphenols resveratrol and epigallocatechin-3-gallate restore the severe impairment of mitochondria in hippocampal progenitor cells from a Down syndrome mouse model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1093-1104.	3.8	96
16	Pharmacological Activation of Protein Phosphatase 2 A (PP2A): A Novel Strategy to Fight Against Human Malignancies?. Current Medicinal Chemistry, 2016, 23, 4286-4296.	2.4	8
17	Mitochondrial free radical overproduction due to respiratory chain impairment in the brain of a mouse model of Rett syndrome: protective effect of CNF1. Free Radical Biology and Medicine, 2015, 83, 167-177.	2.9	65
18	Impaired enzymatic defensive activity, mitochondrial dysfunction and proteasome activation are involved in RTT cell oxidative damage. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2066-2074.	3.8	44

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19	Intramitochondrial adenylyl cyclase controls the turnover of nuclear-encoded subunits and activity of mammalian complex I of the respiratory chain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 183-191.	4.1	45
20	Regulation of the biogenesis of OXPHOS complexes in cell transition from replicating to quiescent state. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 675-684.	4.1	39
21	Epigallocatechin-3-gallate prevents oxidative phosphorylation deficit and promotes mitochondrial biogenesis in human cells from subjects with Down's syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 542-552.	3.8	124
22	Oncogenic K-ras expression is associated with derangement of the cAMP/PKA pathway and forskolin-reversible alterations of mitochondrial dynamics and respiration. Oncogene, 2013, 32, 352-362.	5.9	54
23	Complex I deficiencies in neurological disorders. Trends in Molecular Medicine, 2013, 19, 61-69.	6.7	65
24	Respiratory chain complex I, a main regulatory target of the cAMP/PKA pathway is defective in different human diseases. FEBS Letters, 2012, 586, 568-577.	2.8	75
25	The Oxidative Phosphorylation System in Mammalian Mitochondria. Advances in Experimental Medicine and Biology, 2012, 942, 3-37.	1.6	198
26	Activation of the cAMP cascade in human fibroblast cultures rescues the activity of oxidatively damaged complex I. Free Radical Biology and Medicine, 2012, 52, 757-764.	2.9	35
27	Mitochondrial defect and PGC-1Î± dysfunction in parkin-associated familial Parkinson's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1041-1053.	3.8	111
28	T16189C mitochondrial DNA variant is associated with metabolic syndrome in Caucasian subjects. Nutrition, 2011, 27, 773-777.	2.4	34
29	The Î²-adrenoceptor agonist isoproterenol promotes the activity of respiratory chain complex I and lowers cellular reactive oxygen species in fibroblasts and heart myoblasts. European Journal of Pharmacology, 2011, 652, 15-22.	3.5	30
30	Rat Embryo Exposure to All-Trans Retinoic Acid Results in Postnatal Oxidative Damage of Respiratory Complex I in the Cerebellum. Molecular Pharmacology, 2011, 80, 704-713.	2.3	5
31	cAMP-dependent protein kinase regulates post-translational processing and expression of complex I subunits in mammalian cells. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 649-658.	1.0	31
32	cAMP/Ca²⁺ response elementâ€binding protein plays a central role in the biogenesis of respiratory chain proteins in mammalian cells. IUBMB Life, 2010, 62, 447-452.	3.4	25
33	Phosphorylation pattern of the NDUFS4 subunit of complex I of the mammalian respiratory chain. Mitochondrion, 2010, 10, 464-471.	3.4	41
34	Pathogenetic mechanisms in hereditary dysfunctions of complex I of the respiratory chain in neurological diseases. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 502-517.	1.0	33
35	cAMP response elementâ€binding protein (CREB) is imported into mitochondria and promotes protein synthesis. FEBS Journal, 2009, 276, 4325-4333.	4.7	82
36	cAMP-dependent protein kinase regulates the mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. Cellular Signalling, 2008, 20, 989-997.	3.6	97

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37	Mammalian complex I: A regulable and vulnerable pacemaker in mitochondrial respiratory function. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 719-728.	1.0	80
38	The regulation of PTC containing transcripts of the human NDUFS4 gene of complex I of respiratory chain and the impact of pathological mutations. Biochimie, 2008, 90, 1452-1460.	2.6	11
39	A Larger Spectrum of Intragenic Short Tandem Repeats Improves Linkage Analysis and Localization of Intragenic Recombination Detection in the Dystrophin Gene. Journal of Molecular Diagnostics, 2007, 9, 64-69.	2.8	19
40	cAMPâ€dependent protein kinase promotes mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. FASEB Journal, 2007, 21, A661.	0.5	0
41	Occurrence of A-kinase anchor protein and associated cAMP-dependent protein kinase in the inner compartment of mammalian mitochondria. FEBS Letters, 2006, 580, 5690-5696.	2.8	73