

Anna Signorile

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1938448/publications.pdf>

Version: 2024-02-01

44
papers

2,441
citations

159573

30
h-index

233409

45
g-index

45
all docs

45
docs citations

45
times ranked

3536
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. <i>Molecular Aspects of Medicine</i> , 2002, 23, 209-285.	6.4	201
2	The Oxidative Phosphorylation System in Mammalian Mitochondria. <i>Advances in Experimental Medicine and Biology</i> , 2012, 942, 3-37.	1.6	198
3	Prohibitins: A Critical Role in Mitochondrial Functions and Implication in Diseases. <i>Cells</i> , 2019, 8, 71.	4.1	136
4	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
5	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
6	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. <i>Journal of Neuroscience Research</i> , 2016, 94, 1588-1603.	2.9	101
7	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
8	Cyclic Adenosine Monophosphate-Dependent Phosphorylation of Mammalian Mitochondrial Proteins: Enzyme and Substrate Characterization and Functional Role. <i>Biochemistry</i> , 2001, 40, 13941-13947.	2.5	95
9	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
10	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
11	Mitochondria as pharmacological targets in Down syndrome. <i>Free Radical Biology and Medicine</i> , 2018, 114, 69-83.	2.9	79
12	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
13	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
14	cAMP controls oxygen metabolism in mammalian cells. <i>FEBS Letters</i> , 2006, 580, 4539-4543.	2.8	60
15	The phosphorylation pattern of bovine heart complex I subunits. <i>Proteomics</i> , 2007, 7, 1575-1583.	2.2	60
16	The NADH: ubiquinone oxidoreductase (complex I) of the mammalian respiratory chain and the cAMP cascade. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 1-10.	2.3	57
17	Serine (threonine) phosphatase(s) acting on cAMP-dependent phosphoproteins in mammalian mitochondria. <i>FEBS Letters</i> , 2002, 512, 91-94.	2.8	45
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Human Ovarian Cancer Tissue Exhibits Increase of Mitochondrial Biogenesis and Cristae Remodeling. <i>Cancers</i> , 2019, 11, 1350.	3.7	40
22	Ethanol-induced changes of intracellular thiol compartmentation and protein redox status in the rat liver: effect of tauroursodeoxycholate. <i>Journal of Hepatology</i> , 1998, 28, 46-53.	3.7	39
23	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
24	Complex I and the cAMP Cascade in Human Physiopathology. <i>Bioscience Reports</i> , 2002, 22, 3-16.	2.4	38
25	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
26	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
27	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
28	Practical Approaches to Investigate Redox Regulation of Heat Shock Protein Expression and Intracellular Glutathione Redox State. <i>Methods in Enzymology</i> , 2008, 441, 83-110.	1.0	34
29	T16189C mitochondrial DNA variant is associated with metabolic syndrome in Caucasian subjects. <i>Nutrition</i> , 2011, 27, 773-777.	2.4	34
30	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
31	Hericium Erinaceus Prevents DEHP-Induced Mitochondrial Dysfunction and Apoptosis in PC12 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2138.	4.1	32
32	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
33	The Î²-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
34	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
35	Impact of atypical mitochondrial cyclic-AMP level in nephropathic cystinosis. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3411-3422.	5.4	25
36	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

#	ARTICLE	IF	CITATIONS
37	Moringa oleifera Protects SH-SY5Y Cells from DEHP-Induced Endoplasmic Reticulum Stress and Apoptosis. <i>Antioxidants</i> , 2021, 10, 532.	5.1	22
38	Mitochondrial Dynamics of Proximal Tubular Epithelial Cells in Nephropathic Cystinosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 192.	4.1	19
39	Resveratrol Modulation of Protein Expression in <i>parkin</i> -Mutant Human Skin Fibroblasts: A Proteomic Approach. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-22.	4.0	17
40	PBMC of Multiple Sclerosis Patients Show Deregulation of OPA1 Processing Associated with Increased ROS and PHB2 Protein Levels. <i>Biomedicines</i> , 2020, 8, 85.	3.2	17
41	Increased Levels of cAMP by the Calcium-Dependent Activation of Soluble Adenylyl Cyclase in <i>Parkin</i> -Mutant Fibroblasts. <i>Cells</i> , 2019, 8, 250.	4.1	13
42	Resveratrol Treatment in Human <i>Parkin</i> -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
43	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
44	Adhesion of Platelets to Colon Cancer Cells Is Necessary to Promote Tumor Development in Xenograft, Genetic and Inflammation Models. <i>Cancers</i> , 2021, 13, 4243.	3.7	4