

Manuel Gutierrez-Aguilar

List of Publications by Year in descending order

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26
papers

648
citations

759055

12
h-index

642610

23
g-index

26
all docs

26
docs citations

26
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and pathological roles of mitochondrial SLC25 carriers. <i>Biochemical Journal</i> , 2013, 454, 371-386.	1.7	108
2	Genetic manipulation of the cardiac mitochondrial phosphate carrier does not affect permeability transition. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 316-325.	0.9	103
3	Structural mechanisms of cyclophilin D-dependent control of the mitochondrial permeability transition pore. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2041-2047.	1.1	85
4	The still uncertain identity of the channel-forming unit(s) of the mitochondrial permeability transition pore. <i>Cell Calcium</i> , 2018, 73, 121-130.	1.1	68
5	Physiological uncoupling of mitochondrial oxidative phosphorylation. Studies in different yeast species. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 323-331.	1.0	38
6	In yeast, Ca ²⁺ and octylguanidine interact with porin (VDAC) preventing the mitochondrial permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1245-1251.	0.5	35
7	Mitochondrial Unselective Channels throughout the eukaryotic domain. <i>Mitochondrion</i> , 2011, 11, 382-390.	1.6	35
8	Saxagliptin and Tadalafil Differentially Alter Cyclic Guanosine Monophosphate (cGMP) Signaling and Left Ventricular Function in Aortic-Banded Mini-Swine. <i>Journal of the American Heart Association</i> , 2016, 5, e003277.	1.6	30
9	In <i>Saccharomyces cerevisiae</i> , the phosphate carrier is a component of the mitochondrial unselective channel. <i>Archives of Biochemistry and Biophysics</i> , 2010, 494, 184-191.	1.4	29
10	A new twist on an old idea part 2: cyclosporine preserves normal mitochondrial but not cardiomyocyte function in mini-swine with compensated heart failure. <i>Physiological Reports</i> , 2014, 2, e12050.	0.7	23
11	Moonlighting Peptides with Emerging Function. <i>PLoS ONE</i> , 2012, 7, e40125.	1.1	21
12	Glycoprotein Ib activation by thrombin stimulates the energy metabolism in human platelets. <i>PLoS ONE</i> , 2017, 12, e0182374.	1.1	19
13	The <i>Saccharomyces cerevisiae</i> mitochondrial unselective channel behaves as a physiological uncoupling system regulated by Ca ²⁺ , Mg ²⁺ , phosphate and ATP. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 477-491.	1.0	10
14	The mitochondrial unselective channel in <i>Saccharomyces cerevisiae</i> . <i>Mitochondrion</i> , 2015, 22, 85-90.	1.6	7
15	In situ assessment of mitochondrial calcium transport in tobacco pollen tubes. <i>Protoplasma</i> , 2019, 256, 503-509.	1.0	7
16	Effects of ubiquinone derivatives on the mitochondrial unselective channel of <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 519-527.	1.0	6
17	Exposure to bisphenol A: current levels from food intake are toxic to human cells. <i>Molecular Biology Reports</i> , 2019, 46, 2555-2559.	1.0	6
18	The mitochondrial permeability transition pore: Is it formed by the ATP synthase, adenine nucleotide translocators or both?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148249.	0.5	6

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19	Mitochondrial calcium transport and permeability transition as rational targets for plant protection. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148288.	0.5	4
20	Extracting endocrine disrupting compounds from infant formula using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2019, 152, 104554.	1.6	3
21	Morphology and permeability transitions in plant mitochondria: Different aspects of the same event?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148586.	0.5	2
22	A simple method for mitochondrial respiration and calcium uptake assessment in pollen tubes. <i>MethodsX</i> , 2019, 6, 1741-1746.	0.7	1
23	From bench to bedside: Biosensing strategies to evaluate endocrine disrupting compounds based on epigenetic events and their potential use in medicine. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103450.	2.0	1
24	Leaf Mesophyll Mitochondrial Polarization Assessment in <i>Arabidopsis thaliana</i> . <i>Methods and Protocols</i> , 2021, 4, 84.	0.9	1
25	Different physiological uncoupling systems in yeast mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 130.	0.5	0
26	Commentary: Synthetic Ubiquinones Specifically Bind to Mitochondrial Voltage-Dependent Anion Channel 1 (VDAC1) in <i>Saccharomyces cerevisiae</i> Mitochondria. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 16.	1.6	0