

Alvaro A Elorza

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

5,060
citations

257450

24
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

8300
citing authors

#	ARTICLE	IF	CITATIONS
1	Fission and selective fusion govern mitochondrial segregation and elimination by autophagy. <i>EMBO Journal</i> , 2008, 27, 433-446.	7.8	2,587
2	High Throughput Microplate Respiratory Measurements Using Minimal Quantities Of Isolated Mitochondria. <i>PLoS ONE</i> , 2011, 6, e21746.	2.5	398
3	Mitochondrial Networking Protects β^2 -Cells From Nutrient-Induced Apoptosis. <i>Diabetes</i> , 2009, 58, 2303-2315.	0.6	339
4	Role of Copper on Mitochondrial Function and Metabolism. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 711227.	3.5	189
5	Lipopolysaccharide induces a fibrotic-like phenotype in endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 800-814.	3.6	158
6	Role of Oxidative Stress as Key Regulator of Muscle Wasting during Cachexia. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	4.0	152
7	Tagging and tracking individual networks within a complex mitochondrial web with photoactivatable GFP. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C176-C184.	4.6	112
8	A Novel High-Throughput Assay for Islet Respiration Reveals Uncoupling of Rodent and Human Islets. <i>PLoS ONE</i> , 2012, 7, e33023.	2.5	103
9	Reactive oxygen species trigger motoneuron death in non-cell-autonomous models of ALS through activation of c-Abl signaling. <i>Frontiers in Cellular Neuroscience</i> , 2015, 09, 203.	3.7	81
10	Erythropoietin induces bone marrow and plasma fibroblast growth factor 23 during acute kidney injury. <i>Kidney International</i> , 2018, 93, 1131-1141.	5.2	81
11	Nutritional status modulates plasma leptin, AMPK and TOR activation, and mitochondrial biogenesis: Implications for cell metabolism and growth in skeletal muscle of the fine flounder. <i>General and Comparative Endocrinology</i> , 2013, 186, 172-180.	1.8	69
12	Nuclear SDH2-1 and SDH2-2 Genes, Encoding the Iron-Sulfur Subunit of Mitochondrial Complex II in Arabidopsis, Have Distinct Cell-Specific Expression Patterns and Promoter Activities. <i>Plant Physiology</i> , 2004, 136, 4072-4087.	4.8	67
13	A Nuclear Gene for the Iron-Sulfur Subunit of Mitochondrial Complex II is Specifically Expressed During Arabidopsis Seed Development and Germination. <i>Plant and Cell Physiology</i> , 2006, 47, 14-21.	3.1	55
14	Mitochondrial Uncoupling Protein 2 Inhibits Mast Cell Activation and Reduces Histamine Content. <i>Journal of Immunology</i> , 2009, 183, 6313-6319.	0.8	50
15	The four subunits of mitochondrial respiratory complex II are encoded by multiple nuclear genes and targeted to mitochondria in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2002, 50, 725-734.	3.9	49
16	The mitochondrial transporter ABC-me (ABCB10), a downstream target of GATA-1, is essential for erythropoiesis in vivo. <i>Cell Death and Differentiation</i> , 2012, 19, 1117-1126.	11.2	46
17	Non-cytotoxic copper overload boosts mitochondrial energy metabolism to modulate cell proliferation and differentiation in the human erythroleukemic cell line K562. <i>Mitochondrion</i> , 2016, 29, 18-30.	3.4	45
18	Three different genes encode the iron-sulfur subunit of succinate dehydrogenase in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2001, 46, 241-250.	3.9	44

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19	Excess Iodide Induces an Acute Inhibition of the Sodium/Iodide Symporter in Thyroid Male Rat Cells by Increasing Reactive Oxygen Species. <i>Endocrinology</i> , 2015, 156, 1540-1551.	2.8	34
20	Increases in reactive oxygen species enhance vascular endothelial cell migration through a mechanism dependent on the transient receptor potential melastatin 4 ion channel. <i>Microvascular Research</i> , 2015, 98, 187-196.	2.5	34
21	UCP2 Modulates Cell Proliferation through the MAPK/ERK Pathway during Erythropoiesis and Has No Effect on Heme Biosynthesis*. <i>Journal of Biological Chemistry</i> , 2008, 283, 30461-30470.	3.4	29
22	Wnt signaling induces transcription, spatial proximity, and translocation of fusion gene partners in human hematopoietic cells. <i>Blood</i> , 2015, 126, 1785-1789.	1.4	28
23	Hyperglycemia Induces Bioenergetic Changes in Adipose-Derived Stromal Cells While Their Pericytic Function Is Retained. <i>Stem Cells and Development</i> , 2016, 25, 1444-1453.	2.1	28
24	Copper deficiency-induced anemia is caused by a mitochondrial metabolic reprogramming in erythropoietic cells. <i>Metallomics</i> , 2019, 11, 282-290.	2.4	28
25	Copper deficiency alters cell bioenergetics and induces mitochondrial fusion through up-regulation of MFN2 and OPA1 in erythropoietic cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 426-432.	2.1	27
26	mtDNA Heteroplasmy at the Core of Aging-Associated Heart Failure. An Integrative View of OXPHOS and Mitochondrial Life Cycle in Cardiac Mitochondrial Physiology. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 625020.	3.7	26
27	Quercetin Affects Erythropoiesis and Heart Mitochondrial Function in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-12.	4.0	24
28	Identification and characterization of a novel tobacco mosaic virus resistance N gene homologue in <i>Nicotiana tabacum</i> plants. <i>Functional Plant Biology</i> , 2004, 31, 149.	2.1	23
29	Adaptive Responses of Mitochondria to Mild Copper Deprivation Involve Changes in Morphology, OXPHOS Remodeling and Bioenergetics. <i>Journal of Cellular Physiology</i> , 2014, 229, 607-619.	4.1	19
30	The OXPHOS supercomplex assembly factor HIG2A responds to changes in energetic metabolism and cell cycle. <i>Journal of Cellular Physiology</i> , 2019, 234, 17405-17419.	4.1	18
31	Alternative RUNX1 Promoter Regulation by Wnt/ β -Catenin Signaling in Leukemia Cells and Human Hematopoietic Progenitors. <i>Journal of Cellular Physiology</i> , 2016, 231, 1460-1467.	4.1	16
32	Erythroid Differentiation and Heme Biosynthesis Are Dependent on a Shift in the Balance of Mitochondrial Fusion and Fission Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 592035.	3.7	16
33	Imprinting of maternal thyroid hormones in the offspring. <i>International Reviews of Immunology</i> , 2017, 36, 240-255.	3.3	14
34	Cytosolic NUA1 Enhances ATP Production by Maintaining Proper Glycolysis and Mitochondrial Function in Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1123.	2.8	14
35	Sarcopenia Induced by Chronic Liver Disease in Mice Requires the Expression of the Bile Acids Membrane Receptor TGR5. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7922.	4.1	14
36	Gestational Hypothyroxinemia Affects Its Offspring With a Reduced Suppressive Capacity Impairing the Outcome of the Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2018, 9, 1257.	4.8	11

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37	Two new Liolaemus lizards from the Andean highlands of Southern Chile (Squamata, Iguania,) Tj ETQq1 1 0.784314 1.1	1.1	8
38	A new species of Liolaemus related to <i>L. nigroviridis</i> from the Andean highlands of Central Chile (Iguania, Liolaemidae). ZooKeys, 2016, 555, 91-114.	1.1	8
39	Biosystem Analysis of the Hypoxia Inducible Domain Family Member 2A: Implications in Cancer Biology. Genes, 2020, 11, 206.	2.4	7
40	Dynamic Distribution of HIG2A between the Mitochondria and the Nucleus in Response to Hypoxia and Oxidative Stress. International Journal of Molecular Sciences, 2022, 23, 389.	4.1	2