Alvaro A Elorza

List of Publications by Year
in descending order

40 papers	5,060 citations	257357 24 h-index	289141 40 g-index
42 all docs	42 docs citations	42 times ranked	8300 citing authors

#	Article	IF	Citations
1	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.	1.8	2
2	mtDNA Heteroplasmy at the Core of Aging-Associated Heart Failure. An Integrative View of OXPHOS and Mitochondrial Life Cycle in Cardiac Mitochondrial Physiology. Frontiers in Cell and Developmental Biology, 2021, 9, 625020.	1.8	26
3	Role of Copper on Mitochondrial Function and Metabolism. Frontiers in Molecular Biosciences, 2021, 8, 711227.	1.6	189
4	Erythroid Differentiation and Heme Biosynthesis Are Dependent on a Shift in the Balance of Mitochondrial Fusion and Fission Dynamics. Frontiers in Cell and Developmental Biology, 2020, 8, 592035.	1.8	16
5	Cytosolic NUAK1 Enhances ATP Production by Maintaining Proper Glycolysis and Mitochondrial Function in Cancer Cells. Frontiers in Oncology, 2020, 10, 1123.	1.3	14
6	Sarcopenia Induced by Chronic Liver Disease in Mice Requires the Expression of the Bile Acids Membrane Receptor TGR5. International Journal of Molecular Sciences, 2020, 21, 7922.	1.8	14
7	Biosystem Analysis of the Hypoxia Inducible Domain Family Member 2A: Implications in Cancer Biology. Genes, 2020, 11, 206.	1.0	7
8	Copper deficiency-induced anemia is caused by a mitochondrial metabolic reprograming in erythropoietic cells. Metallomics, 2019, 11, 282-290.	1.0	28
9	The OXPHOS supercomplex assembly factor HIG2A responds to changes in energetic metabolism and cell cycle. Journal of Cellular Physiology, 2019, 234, 17405-17419.	2.0	18
10	Erythropoietin induces bone marrow and plasma fibroblast growth factor 23 during acute kidneyÂinjury. Kidney International, 2018, 93, 1131-1141.	2.6	81
11	Role of Oxidative Stress as Key Regulator of Muscle Wasting during Cachexia. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-17.	1.9	152
12	Gestational Hypothyroxinemia Affects Its Offspring With a Reduced Suppressive Capacity Impairing the Outcome of the Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2018, 9, 1257.	2.2	11
13	Imprinting of maternal thyroid hormones in the offspring. International Reviews of Immunology, 2017, 36, 240-255.	1.5	14
14	Two new Liolaemus lizards from the Andean highlands of Southern Chile (Squamata, Iguania,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.5	9
15	Alternative RUNX1 Promoter Regulation by Wnt/Î2-Catenin Signaling in Leukemia Cells and Human Hematopoietic Progenitors. Journal of Cellular Physiology, 2016, 231, 1460-1467.	2.0	16
16	Non-cytotoxic copper overload boosts mitochondrial energy metabolism to modulate cell proliferation and differentiation in the human erythroleukemic cell line K562. Mitochondrion, 2016, 29, 18-30.	1.6	45
17	Hyperglycemia Induces Bioenergetic Changes in Adipose-Derived Stromal Cells While Their Pericytic Function Is Retained. Stem Cells and Development, 2016, 25, 1444-1453.	1.1	28
18	A new species of Liolaemus related to L. nigroviridis from the Andean highlands of Central Chile (Iguania, Liolaemidae). ZooKeys, 2016, 555, 91-114.	0.5	8

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19	Wnt signaling induces transcription, spatial proximity, and translocation of fusion gene partners in human hematopoietic cells. Blood, 2015, 126, 1785-1789.	0.6	28
20	Quercetin Affects Erythropoiesis and Heart Mitochondrial Function in Mice. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-12.	1.9	24
21	Reactive oxygen species trigger motoneuron death in non-cell-autonomous models of ALS through activation of c-Abl signaling. Frontiers in Cellular Neuroscience, 2015, 09, 203.	1.8	81
22	Excess Iodide Induces an Acute Inhibition of the Sodium/Iodide Symporter in Thyroid Male Rat Cells by Increasing Reactive Oxygen Species. Endocrinology, 2015, 156, 1540-1551.	1.4	34
23	Increases in reactive oxygen species enhance vascular endothelial cell migration through a mechanism dependent on the transient receptor potential melastatin 4 ion channel. Microvascular Research, 2015, 98, 187-196.	1.1	34
24	Adaptive Responses of Mitochondria to Mild Copper Deprivation Involve Changes in Morphology, OXPHOS Remodeling and Bioenergetics. Journal of Cellular Physiology, 2014, 229, 607-619.	2.0	19
25	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. General and Comparative Endocrinology, 2013, 186, 172-180.	0.8	69
26	Copper deficiency alters cell bioenergetics and induces mitochondrial fusion through up-regulation of MFN2 and OPA1 in erythropoietic cells. Biochemical and Biophysical Research Communications, 2013, 437, 426-432.	1.0	27
27	Lipopolysaccharide induces a fibroticâ€like phenotype in endothelial cells. Journal of Cellular and Molecular Medicine, 2013, 17, 800-814.	1.6	158
28	The mitochondrial transporter ABC-me (ABCB10), a downstream target of GATA-1, is essential for erythropoiesis in vivo. Cell Death and Differentiation, 2012, 19, 1117-1126.	5.0	46
29	A Novel High-Throughput Assay for Islet Respiration Reveals Uncoupling of Rodent and Human Islets. PLoS ONE, 2012, 7, e33023.	1.1	103
30	High Throughput Microplate Respiratory Measurements Using Minimal Quantities Of Isolated Mitochondria. PLoS ONE, 2011, 6, e21746.	1.1	398
31	Mitochondrial Networking Protects Î²-Cells From Nutrient-Induced Apoptosis. Diabetes, 2009, 58, 2303-2315.	0.3	339
32	Mitochondrial Uncoupling Protein 2 Inhibits Mast Cell Activation and Reduces Histamine Content. Journal of Immunology, 2009, 183, 6313-6319.	0.4	50
33	Fission and selective fusion govern mitochondrial segregation and elimination by autophagy. EMBO Journal, 2008, 27, 433-446.	3.5	2,587
34	UCP2 Modulates Cell Proliferation through the MAPK/ERK Pathway during Erythropoiesis and Has No Effect on Heme Biosynthesis*. Journal of Biological Chemistry, 2008, 283, 30461-30470.	1.6	29
35	Tagging and tracking individual networks within a complex mitochondrial web with photoactivatable GFP. American Journal of Physiology - Cell Physiology, 2006, 291, C176-C184.	2.1	112
36	A Nuclear Gene for the Ironâ€"Sulfur Subunit of Mitochondrial Complex II is Specifically Expressed During Arabidopsis Seed Development and Germination. Plant and Cell Physiology, 2006, 47, 14-21.	1.5	55

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37	Identification and characterization of a novel tobacco mosaic virus resistance N gene homologue in Nicotiana tabacum plants. Functional Plant Biology, 2004, 31, 149.	1.1	23
38	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. Plant Physiology, 2004, 136, 4072-4087.	2.3	67
39	The four subunits of mitochondrial respiratory complex II are encoded by multiple nuclear genes and targeted to mitochondria in Arabidopsis thaliana. Plant Molecular Biology, 2002, 50, 725-734.	2.0	49
40	Three different genes encode the iron-sulfur subunit of succinate dehydrogenase in Arabidopsis thaliana. Plant Molecular Biology, 2001, 46, 241-250.	2.0	44