

Jordi Tamarit

List of Publications by Year in descending order

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44
papers

2,981
citations

159585

30
h-index

243625

44
g-index

46
all docs

46
docs citations

46
times ranked

3773
citing authors

#	ARTICLE	IF	CITATIONS
1	Mice harboring the FXN I151F pathological point mutation present decreased frataxin levels, a Friedreich ataxia-like phenotype, and mitochondrial alterations. Cellular and Molecular Life Sciences, 2022, 79, 74.	5.4	6
2	Calpain-Inhibitors Protect Frataxin-Deficient Dorsal Root Ganglia Neurons from Loss of Mitochondrial Na ⁺ /Ca ²⁺ Exchanger, NCLX, and Apoptosis. Neurochemical Research, 2021, 46, 108-119.	3.3	17
3	PPAR gamma agonist leriglitazone improves frataxin-loss impairments in cellular and animal models of Friedreich Ataxia. Neurobiology of Disease, 2021, 148, 105162.	4.4	33
4	Calcitriol increases frataxin levels and restores mitochondrial function in cell models of Friedreich Ataxia. Biochemical Journal, 2021, 478, 1-20.	3.7	13
5	Mitochondrial iron and calcium homeostasis in Friedreich ataxia. IUBMB Life, 2021, 73, 543-553.	3.4	9
6	Frataxin-deficient cardiomyocytes present an altered thiol-redox state which targets actin and pyruvate dehydrogenase. Redox Biology, 2020, 32, 101520.	9.0	16
7	Frataxin-deficient neurons and mice models of Friedreich ataxia are improved by <scp>TAT</scp>â€<scp>MTS</scp>csâ€<scp>FXN</scp> treatment. Journal of Cellular and Molecular Medicine, 2018, 22, 834-848.	3.6	34
8	Nitric oxide prevents Aft1 activation and metabolic remodeling in frataxin-deficient yeast. Redox Biology, 2018, 14, 131-141.	9.0	12
9	Mitochondrial pore opening and loss of Ca ²⁺ exchanger NCLX levels occur after frataxin depletion. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 618-631.	3.8	39
10	Mitochondrial calcium signalling and neurodegenerative diseases. Neuronal Signaling, 2018, 2, NS20180061.	3.2	34
11	Iron in Friedreich Ataxia: A Central Role in the Pathophysiology or an Epiphenomenon?. Pharmaceuticals, 2018, 11, 89.	3.8	31
12	Oxidative stress and altered lipid metabolism in Friedreich ataxia. Free Radical Biology and Medicine, 2016, 100, 138-146.	2.9	58
13	Protein carbonylation: Proteomics, specificity and relevance to aging. Mass Spectrometry Reviews, 2014, 33, 21-48.	5.4	66
14	Frataxin deficiency in neonatal rat ventricular myocytes targets mitochondria and lipid metabolism. Free Radical Biology and Medicine, 2014, 73, 21-33.	2.9	50
15	Apoptotic cell death and altered calcium homeostasis caused by frataxin depletion in dorsal root ganglia neurons can be prevented by BH4 domain of Bcl-xL protein. Human Molecular Genetics, 2014, 23, 1829-1841.	2.9	65
16	Metabolic remodeling in frataxin-deficient yeast is mediated by Cth2 and Atr1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3326-3337.	4.1	26
17	The FOX transcription factor Hcm1 regulates oxidative metabolism in response to early nutrient limitation in yeast. Role of Snf1 and Tor1/Sch9 kinases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2004-2015.	4.1	28
18	Analysis of oxidative stress-induced protein carbonylation using fluorescent hydrazides. Journal of Proteomics, 2012, 75, 3778-3788.	2.4	64

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19	Protein oxidation in Huntington disease. <i>BioFactors</i> , 2012, 38, 173-185.	5.4	42
20	Sir2 is induced by oxidative stress in a yeast model of Huntington disease and its activation reduces protein aggregation. <i>Archives of Biochemistry and Biophysics</i> , 2011, 510, 27-34.	3.0	35
21	Proteomic Strategies for the Analysis of Carbonyl Groups on Proteins. <i>Current Protein and Peptide Science</i> , 2010, 11, 652-658.	1.4	13
22	Yeast frataxin mutants display decreased superoxide dismutase activity crucial to promote protein oxidative damage. <i>Free Radical Biology and Medicine</i> , 2010, 48, 411-420.	2.9	39
23	Protein oxidation in Huntington disease affects energy production and vitamin B6 metabolism. <i>Free Radical Biology and Medicine</i> , 2010, 49, 612-621.	2.9	77
24	Frataxin Depletion in Yeast Triggers Up-regulation of Iron Transport Systems before Affecting Iron-Sulfur Enzyme Activities. <i>Journal of Biological Chemistry</i> , 2010, 285, 41653-41664.	3.4	37
25	The Forkhead Transcription Factor Hcm1 Promotes Mitochondrial Biogenesis and Stress Resistance in Yeast. <i>Journal of Biological Chemistry</i> , 2010, 285, 37092-37101.	3.4	31
26	Major targets of iron-induced protein oxidative damage in frataxin-deficient yeasts are magnesium-binding proteins. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1712-1723.	2.9	42
27	Proteomic and oxidative stress analysis in human brain samples of Huntington disease. <i>Free Radical Biology and Medicine</i> , 2008, 45, 667-678.	2.9	250
28	Chronological and replicative life-span extension in <i>Saccharomyces cerevisiae</i> by increased dosage of alcohol dehydrogenase 1. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3667-3676.	1.8	35
29	<i>Saccharomyces cerevisiae</i> cells have three Omega class glutathione S-transferases acting as 1-Cys thiol transferases. <i>Biochemical Journal</i> , 2006, 398, 187-196.	3.7	89
30	Colorimetric assay for the quantitation of iron in yeast. <i>Analytical Biochemistry</i> , 2006, 351, 149-151.	2.4	75
31	Glutaredoxins in fungi. <i>Photosynthesis Research</i> , 2006, 89, 127-140.	2.9	32
32	Manganese Is the Link between Frataxin and Iron-Sulfur Deficiency in the Yeast Model of Friedreich Ataxia. <i>Journal of Biological Chemistry</i> , 2006, 281, 12227-12232.	3.4	60
33	Oxidative Damage to Specific Proteins in Replicative and Chronological-aged <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 31983-31989.	3.4	186
34	Novel Antioxidant Role of Alcohol Dehydrogenase E from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 30193-30198.	3.4	99
35	Biochemical Characterization of Yeast Mitochondrial Grx5 Monothiol Glutaredoxin. <i>Journal of Biological Chemistry</i> , 2003, 278, 25745-25751.	3.4	115
36	Mitochondrial Hsp60, Resistance to Oxidative Stress, and the Labile Iron Pool Are Closely Connected in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 44531-44538.	3.4	124

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37	DnaK dependence of mutant ethanol oxidoreductases evolved for aerobic function and protective role of the chaperone against protein oxidative damage in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4626-4631.	7.1	51
38	Grx5 Is a Mitochondrial Glutaredoxin Required for the Activity of Iron/Sulfur Enzymes. <i>Molecular Biology of the Cell</i> , 2002, 13, 1109-1121.	2.1	430
39	Structure-Function Analysis of Yeast Grx5 Monothiol Glutaredoxin Defines Essential Amino Acids for the Function of the Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 37590-37596.	3.4	65
40	Evolution of the adhE Gene Product of <i>Escherichia coli</i> from a Functional Reductase to a Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2000, 275, 33869-33875.	3.4	80
41	The Activating Component of the Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 15669-15675.	3.4	58
42	The Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 31291-31296.	3.4	57
43	Identification of the Major Oxidatively Damaged Proteins in <i>Escherichia coli</i> Cells Exposed to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1998, 273, 3027-3032.	3.4	240
44	Evolution of an <i>Escherichia coli</i> Protein with Increased Resistance to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1998, 273, 8308-8316.	3.4	18