

Jose Salud Rodriguez-Zavala

List of Publications by Year in descending order

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60
papers

1,584
citations

257450

24
h-index

315739

38
g-index

60
all docs

60
docs citations

60
times ranked

2384
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of ALDH1A1 by omeprazole reduces cell oxidative stress damage. FEBS Journal, 2021, 288, 4064-4080.	4.7	16
2	Antibacterial properties of phenothiazine derivatives against multidrug-resistant <i>Acinetobacter baumannii</i> strains. Journal of Applied Microbiology, 2021, 131, 2235-2243.	3.1	6
3	The essential role of mitochondria in the consumption of waste-organic matter and production of metabolites of biotechnological interest in <i>Euglena gracilis</i> . Algal Research, 2021, 56, 102302.	4.6	3
4	Antivirulence Activity of a Dietary Phytochemical: Hibiscus Acid Isolated from <i>Hibiscus sabdariffa</i> L. Reduces the Virulence of <i>Pseudomonas aeruginosa</i> in a Mouse Infection Model. Journal of Medicinal Food, 2021, 24, 934-943.	1.5	5
5	Protein acetylation effects on enzyme activity and metabolic pathway fluxes. Journal of Cellular Biochemistry, 2021, , .	2.6	4
6	Omeprazole as a potent activator of human cytosolic aldehyde dehydrogenase ALDH1A1. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129451.	2.4	9
7	Piperlonguminine a new mitochondrial aldehyde dehydrogenase activator protects the heart from ischemia/reperfusion injury. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129684.	2.4	9
8	Bacterial Cyclodipeptides Target Signal Pathways Involved in Malignant Melanoma. Frontiers in Oncology, 2020, 10, 1111.	2.8	4
9	FruBPase II and ADP-PFK1 are involved in the modulation of carbon flow in the metabolism of carbohydrates in <i>Methanosarcina acetivorans</i> . Archives of Biochemistry and Biophysics, 2019, 669, 39-49.	3.0	1
10	Role of Aldehyde Dehydrogenases in Physiopathological Processes. Chemical Research in Toxicology, 2019, 32, 405-420.	3.3	35
11	Antiquorum Sensing Activity of Seed Oils from Oleaginous Plants and Protective Effect During Challenge with <i>Chromobacterium violaceum</i> . Journal of Medicinal Food, 2018, 21, 356-363.	1.5	15
12	Tamoxifen inhibits mitochondrial membrane damage caused by disulfiram. Biochemistry and Cell Biology, 2017, 95, 556-562.	2.0	7
13	CDP-choline circumvents mercury-induced mitochondrial damage and renal dysfunction. Cell Biology International, 2017, 41, 1356-1366.	3.0	5
14	Buthionine sulfoximine is a multitarget inhibitor of trypanothione synthesis in <i>Trypanosoma Ãcruzi</i> . FEBS Letters, 2017, 591, 3881-3894.	2.8	12
15	Functional Role of MrpA in the MrpABCDEF Na ⁺ /H ⁺ Antiporter Complex from the Archaeon <i>Methanosarcina acetivorans</i> . Journal of Bacteriology, 2017, 199, .	2.2	31
16	Inhibition of Non-flux-Controlling Enzymes Deters Cancer Glycolysis by Accumulation of Regulatory Metabolites of Controlling Steps. Frontiers in Physiology, 2016, 7, 412.	2.8	9
17	Aldo-1 modulates the kinetic properties of mitochondrial aldehyde dehydrogenase (ALDH). FEBS Journal, 2016, 283, 3637-3650.	4.7	20
18	Mitochondrial free fatty acid β -oxidation supports oxidative phosphorylation and proliferation in cancer cells. International Journal of Biochemistry and Cell Biology, 2015, 65, 209-221.	2.8	55

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19	Tamoxifen, an anticancer drug, is an activator of human aldehyde dehydrogenase 1. Proteins: Structure, Function and Bioinformatics, 2015, 83, 105-116.	2.6	18
20	Metabolic control analysis of the Trypanosoma cruzi peroxide detoxification pathway identifies tryparedoxin as a suitable drug target. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 263-273.	2.4	25
21	Malfunctioning of the Iron-Sulfur Cluster Assembly Machinery in Saccharomyces cerevisiae Produces Oxidative Stress via an Iron-Dependent Mechanism, Causing Dysfunction in Respiratory Complexes. PLoS ONE, 2014, 9, e111585.	2.5	42
22	Zn-bis-glutathionate is the best co-substrate of the monomeric phytochelatin synthase from the photosynthetic heavy metal-hyperaccumulator Euglena gracilis. Metallomics, 2014, 6, 604.	2.4	13
23	New insights into the half-site reactivity of human aldehyde dehydrogenase 1A1. Proteins: Structure, Function and Bioinformatics, 2013, 81, 1330-1339.	2.6	9
24	Reactive oxygen species production induced by ethanol in Saccharomyces cerevisiae increases because of a dysfunctional mitochondrial iron-sulfur cluster assembly system. FEMS Yeast Research, 2013, 13, 804-819.	2.3	71
25	Accumulation of arsenic, lead, copper, and zinc, and synthesis of phytochelatins by indigenous plants of a mining impacted area. Environmental Science and Pollution Research, 2013, 20, 3946-3955.	5.3	27
26	Structural evidence for the involvement of the residues Ser187 and Tyr422 in substrate recognition in the 3-methylcrotonyl-coenzyme A carboxylase from Pseudomonas aeruginosa. Journal of Biochemistry, 2013, 154, 291-297.	1.7	3
27	Casiopeina II-gly and bromo-pyruvate inhibition of tumor hexokinase, glycolysis, and oxidative phosphorylation. Archives of Toxicology, 2012, 86, 753-766.	4.2	33
28	Differences in Susceptibility to Inactivation of Human Aldehyde Dehydrogenases by Lipid Peroxidation Byproducts. Chemical Research in Toxicology, 2012, 25, 722-729.	3.3	87
29	Co-expression of $\hat{1}$ and $\hat{2}$ subunits of the 3-methylcrotonyl-coenzyme A carboxylase from Pseudomonas aeruginosa. World Journal of Microbiology and Biotechnology, 2012, 28, 1185-1191.	3.6	3
30	A CRAC-like motif in BAX sequence: Relationship with protein insertion and pore activity in liposomes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1888-1895.	2.6	10
31	Novel mitochondrial alcohol metabolizing enzymes of Euglena gracilis. Journal of Bioenergetics and Biomembranes, 2011, 43, 519-530.	2.3	15
32	Enhanced Tolerance to Mercury in a Streptomycin-Resistant Strain of Euglena gracilis. Water, Air, and Soil Pollution, 2011, 216, 51-57.	2.4	3
33	Octylguanidine ameliorates the damaging effect of mercury on renal functions. Journal of Biochemistry, 2011, 149, 211-217.	1.7	1
34	Pyruvate:ferredoxin oxidoreductase and bifunctional aldehyde-alcohol dehydrogenase are essential for energy metabolism under oxidative stress in Entamoeba histolytica. FEBS Journal, 2010, 277, 3382-3395.	4.7	46
35	Increased synthesis of $\hat{1}$ -tocopherol, paramylon and tyrosine by Euglena gracilis under conditions of high biomass production. Journal of Applied Microbiology, 2010, 109, 2160-2172.	3.1	106
36	A novel 11 kDa inhibitory subunit in the F ₁ F ₀ ATP synthase of Paracoccus denitrificans and related $\hat{1}$ -proteobacteria. FASEB Journal, 2010, 24, 599-608.	0.5	50

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37	p38 MAPK as a signal transduction component of heavy metals stress in <i>Euglena gracilis</i> . <i>Archives of Microbiology</i> , 2009, 191, 47-54.	2.2	6
38	Chromium uptake, retention and reduction in photosynthetic <i>Euglena gracilis</i> . <i>Archives of Microbiology</i> , 2009, 191, 431-440.	2.2	28
39	Molecular basis of the unusual catalytic preference for GDP/GTP in <i>Entamoeba histolytica</i> 3-phosphoglycerate kinase. <i>FEBS Journal</i> , 2009, 276, 2037-2047.	4.7	10
40	Enhanced alternative oxidase and antioxidant enzymes under Cd ²⁺ stress in <i>Euglena</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 227-235.	2.3	35
41	Enhancement of coenzyme binding by a single point mutation at the coenzyme binding domain of <i>E. coli</i> lactaldehyde dehydrogenase. <i>Protein Science</i> , 2008, 17, 563-570.	7.6	13
42	Gene Cloning and Biochemical Characterization of an Alcohol Dehydrogenase from <i>Euglena gracilis</i> ¹ . <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 554-561.	1.7	5
43	Substrate Specificity of the 3-Methylcrotonyl Coenzyme A (CoA) and Geranyl-CoA Carboxylases from <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4888-4893.	2.2	22
44	Molecular mechanisms of resistance to heavy metals in the protist <i>Euglena gracilis</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1365-1378.	1.7	36
45	Phytochelatin-cadmium-sulfide high-molecular-mass complexes of <i>Euglena gracilis</i> . <i>FEBS Journal</i> , 2006, 273, 5703-5713.	4.7	34
46	Characterization of an Aldehyde Dehydrogenase from <i>Euglena gracilis</i> . <i>Journal of Eukaryotic Microbiology</i> , 2006, 53, 36-42.	1.7	26
47	Characterization of <i>E. coli</i> tetrameric aldehyde dehydrogenases with atypical properties compared to other aldehyde dehydrogenases. <i>Protein Science</i> , 2006, 15, 1387-1396.	7.6	43
48	The Inhibitor Protein (IF1) Promotes Dimerization of the Mitochondrial F1FO-ATP Synthase. <i>Biochemistry</i> , 2006, 45, 12695-12703.	2.5	86
49	Oligomycin strengthens the effect of cyclosporin A on mitochondrial permeability transition by inducing phosphate uptake. <i>Cell Biology International</i> , 2005, 29, 551-558.	3.0	9
50	Inhibition of the mitochondrial calcium uniporter by the oxo-bridged dinuclear ruthenium amine complex (Ru360) prevents from irreversible injury in postischemic rat heart. <i>FEBS Journal</i> , 2005, 272, 3477-3488.	4.7	82
51	Overexpression of the Inhibitor Protein IF1 in AS-30D Hepatoma Produces a Higher Association with Mitochondrial F1FOATP Synthase Compared to Normal Rat Liver: Functional and Cross-Linking Studies. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 257-264.	2.3	22
52	Structural Aspects of Aldehyde Dehydrogenase that Influence Dimer~Tetramer Formation. <i>Biochemistry</i> , 2002, 41, 8229-8237.	2.5	43
53	Multisite control of the Crabtree effect in ascites hepatoma cells. <i>FEBS Journal</i> , 2001, 268, 2512-2519.	0.2	116
54	Role of the C-terminal tail on the quaternary structure of aldehyde dehydrogenases. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 151-160.	4.0	13

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55	Sulfite and membrane energization induce two different active states of the Paracoccus denitrificans FOF1-ATPase. FEBS Journal, 2000, 267, 993-1000.	0.2	28
56	Modulation of 2-Oxoglutarate Dehydrogenase Complex by Inorganic Phosphate, Mg ²⁺ , and Other Effectors. Archives of Biochemistry and Biophysics, 2000, 379, 78-84.	3.0	25
57	Modulation of Oxidative Phosphorylation by Mg ²⁺ in Rat Heart Mitochondria. Journal of Biological Chemistry, 1998, 273, 7850-7855.	3.4	57
58	The Mitochondrial Membrane Permeability Transition Induced by Inorganic Phosphate or Inorganic Arsenate. A Comparative Study. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 117, 93-99.	1.6	18
59	Effect of intramitochondrial Mg ²⁺ on citrulline synthesis in rat liver mitochondria. IUBMB Life, 1997, 41, 179-187.	3.4	4
60	On the protection by inorganic phosphate of calcium-induced membrane permeability transition. Journal of Bioenergetics and Biomembranes, 1997, 29, 571-577.	2.3	15