

Agustin Hernandez

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,704
citations

759233

12
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

14763
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Fps1p controls the accumulation and release of the compatible solute glycerol in yeast osmoregulation. <i>Molecular Microbiology</i> , 1999, 31, 1087-1104.	2.5	357
3	In Defense against Pathogens. Both Plant Sentinels and Foot Soldiers Need to Know the Enemy,. <i>Plant Physiology</i> , 2003, 131, 1580-1590.	4.8	122
4	Proton dynamics in cancer. <i>Journal of Translational Medicine</i> , 2010, 8, 57.	4.4	97
5	An EXCEL template for calculation of enzyme kinetic parameters by non- linear regression. <i>Bioinformatics</i> , 1998, 14, 227-228.	4.1	80
6	Mutants of the Arabidopsis thaliana Cation/H ⁺ Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. <i>Journal of Biological Chemistry</i> , 2009, 284, 14276-14285.	3.4	71
7	Intracellular Proton Pumps as Targets in Chemotherapy: V-ATPases and Cancer. <i>Current Pharmaceutical Design</i> , 2012, 18, 1383-1394.	1.9	43
8	Inorganic Pyrophosphatase Defects Lead to Cell Cycle Arrest and Autophagic Cell Death through NAD ⁺ Depletion in Fermenting Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 13082-13092.	3.4	38
9	A plant proton-pumping inorganic pyrophosphatase functionally complements the vacuolar ATPase transport activity and confers bafilomycin resistance in yeast. <i>Biochemical Journal</i> , 2011, 437, 269-278.	3.7	27
10	The glutamine synthetase of Trypanosoma cruzi is required for its resistance to ammonium accumulation and evasion of the parasitophorous vacuole during host-cell infection. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006170.	3.0	24
11	Biochemical and structural characterization of Cryptosporidium parvum Lactate dehydrogenase. <i>International Journal of Biological Macromolecules</i> , 2015, 74, 608-619.	7.5	20
12	Dicoumarol down-regulates human <i>PTTG1/Securin</i> mRNA expression through inhibition of Hsp90. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 474-482.	4.1	16
13	Lipid composition and proton transport in Penicillium cyclopium and Ustilago maydis plasma membrane vesicles isolated by two-phase partitioning. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1195, 103-109.	2.6	13
14	In vivo activation of plasma membrane H ⁺ -ATPase hydrolytic activity by complex lipid-bound unsaturated fatty acids in Ustilago maydis. <i>FEBS Journal</i> , 2002, 269, 1006-1011.	0.2	13
15	HDAC and Hsp90 inhibitors down-regulate <i>PTTG1/securin</i> but do not induce aneuploidy. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 194-201.	2.8	11
16	Vacuolar H ⁺ -Pyrophosphatase AVP1 is Involved in Amine Fungicide Tolerance in Arabidopsis thaliana and Provides Tridormorph Resistance in Yeast. <i>Frontiers in Plant Science</i> , 2016, 7, 85.	3.6	11
17	Intraorganellar Acidification by V-ATPases: A Target in Cell Proliferation and Cancer Therapy. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2010, 5, 88-98.	1.6	11
18	p53 Stabilization can be Uncoupled from its Role in Transcriptional Activation by Loss of PTTG1/Securin. <i>Journal of Biochemistry</i> , 2007, 141, 737-745.	1.7	9

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19	Preparation of right-side-out plasma membrane vesicles from <i>Penicillium cycloptium</i> : a critical assessment of markers. <i>Journal of General Microbiology</i> , 1992, 138, 2205-2212.	2.3	8
20	8-Dehydrosterols induce membrane traffic and autophagy defects through V-ATPase dysfunction in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2945-2956.	4.1	8
21	Fungicides and sterol-deficient mutants of <i>Ustilago maydis</i> : plasma membrane physico-chemical characteristics do not explain growth inhibition. <i>Microbiology (United Kingdom)</i> , 1997, 143, 3165-3174.	1.8	6
22	Nuclear proteasomal degradation of <i>Saccharomyces cerevisiae</i> inorganic pyrophosphatase <i>Ipp1p</i> , a nucleocytoplasmic protein whose stability depends on its subcellular localization. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1019-1033.	4.1	5
23	Effects of Abnormal-Sterol Accumulation on <i>Ustilago maydis</i> Plasma Membrane H ⁺ -ATPase Stoichiometry and Polypeptide Pattern. <i>Journal of Bacteriology</i> , 1998, 180, 412-415.	2.2	5
24	Editorial [Hot Topic:Proton Dynamics in Cancer (Executive Guest Editor: Agustin Hernandez)]. <i>Current Pharmaceutical Design</i> , 2012, 18, 1317-1318.	1.9	3
25	A Useful Excel-Based Program for Kinetic Model Discrimination. <i>ChemEngineering</i> , 2018, 2, 57.	2.4	3
26	Abnormal sterol-induced cell wall glucan deficiency in yeast is due to impaired glucan synthase transport to the plasma membrane. <i>Biochemical Journal</i> , 2020, 477, 4729-4744.	3.7	2
27	The subcellular localization of inorganic pyrophosphatases is a crucial issue to properly understand their physiological roles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S160-S161.	1.0	0