Agustin Hernandez

List of Publications by Year
in descending order

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	Abnormal sterol-induced cell wall glucan deficiency in yeast is due to impaired glucan synthase transport to the plasma membrane. Biochemical Journal, 2020, 477, 4729-4744.	3.7	2
2	Nuclear proteasomal degradation of Saccharomyces cerevisiae inorganic pyrophosphatase Ipp1p, a nucleocytoplasmic protein whose stability depends on its subcellular localization. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1019-1033.	4.1	5
3	A Useful Excel-Based Program for Kinetic Model Discrimination. ChemEngineering, 2018, 2, 57.	2.4	3
4	The glutamine synthetase of Trypanosoma cruzi is required for its resistance to ammonium accumulation and evasion of the parasitophorous vacuole during host-cell infection. PLoS Neglected Tropical Diseases, 2018, 12, e0006170.	3.0	24
5	Vacuolar H+-Pyrophosphatase AVP1 is Involved in Amine Fungicide Tolerance in Arabidopsis thaliana and Provides Tridemorph Resistance in Yeast. Frontiers in Plant Science, 2016, 7, 85.	3.6	11
6	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
7	8-Dehydrosterols induce membrane traffic and autophagy defects through V-ATPase dysfunction in Saccharomyces cerevisae. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2945-2956.	4.1	8
8	Biochemical and structural characterization of Cryptosporidium parvum Lactate dehydrogenase. International Journal of Biological Macromolecules, 2015, 74, 608-619.	7.5	20
9	Inorganic Pyrophosphatase Defects Lead to Cell Cycle Arrest and Autophagic Cell Death through NAD+ Depletion in Fermenting Yeast. Journal of Biological Chemistry, 2013, 288, 13082-13092.	3.4	38
10	Intracellular Proton Pumps as Targets in Chemotherapy: V-ATPases and Cancer. Current Pharmaceutical Design, 2012, 18, 1383-1394.	1.9	43
11	The subcellular localization of inorganic pyrophosphatases is a crucial issue to properly understand their physiological roles. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, S160-S161.	1.0	0
12	Editorial [Hot Topic:Proton Dynamics in Cancer (Executive Guest Editor: Agustin Hernandez)]. Current Pharmaceutical Design, 2012, 18, 1317-1318.	1.9	3
13	A plant proton-pumping inorganic pyrophosphatase functionally complements the vacuolar ATPase transport activity and confers bafilomycin resistance in yeast. Biochemical Journal, 2011, 437, 269-278.	3.7	27
14	Proton dynamics in cancer. Journal of Translational Medicine, 2010, 8, 57.	4.4	97
15	Intraorganellar Acidification by V-ATPases: A Target in Cell Proliferation and Cancer Therapy. Recent Patents on Anti-Cancer Drug Discovery, 2010, 5, 88-98.	1.6	11
16	Mutants of the Arabidopsis thaliana Cation/H+ Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. Journal of Biological Chemistry, 2009, 284, 14276-14285.	3.4	71
17	HDAC and Hsp90 inhibitors downâ€regulate PTTG1/securin but do not induce aneuploidy. Genes Chromosomes and Cancer, 2009, 48, 194-201.	2.8	11
18	Dicoumarol down-regulates human PTTG1/Securin mRNA expression through inhibition of Hsp90. Molecular Cancer Therapeutics, 2008, 7, 474-482.	4.1	16

#	Article	IF	Citations
19	p53 Stabilization can be Uncoupled from its Role in Transcriptional Activation by Loss of PTTG1/Securin. Journal of Biochemistry, 2007, 141, 737-745.	1.7	9
20	In Defense against Pathogens. Both Plant Sentinels and Foot Soldiers Need to Know the Enemy,. Plant Physiology, 2003, 131, 1580-1590.	4.8	122
21	In vivoactivation of plasma membrane H+-ATPase hydrolytic activity by complex lipid-bound unsaturated fatty acids inUstilago maydis. FEBS Journal, 2002, 269, 1006-1011.	0.2	13
22	Fps1p controls the accumulation and release of the compatible solute glycerol in yeast osmoregulation. Molecular Microbiology, 1999, 31, 1087-1104.	2.5	357
23	An EXCEL template for calculation of enzyme kinetic parameters by non- linear regression. Bioinformatics, 1998, 14, 227-228.	4.1	80
24	Effects of Abnormal-Sterol Accumulation on Ustilago maydis Plasma Membrane H + -ATPase Stoichiometry and Polypeptide Pattern. Journal of Bacteriology, 1998, 180, 412-415.	2.2	5
25	Fungicides and sterol-deficient mutants of Ustilago maydis: plasma membrane physico-chemical characteristics do not explain growth inhibition. Microbiology (United Kingdom), 1997, 143, 3165-3174.	1.8	6
26	Lipid composition and proton transport in Penicillium cyclopium and Ustilago maydis plasma membrane vesicles isolated by two-phase partitioning. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1195, 103-109.	2.6	13
27	Preparation of right-side-out plasma membrane vesicles from Penicillium cyclopium: a critical assessment of markers. Journal of General Microbiology, 1992, 138, 2205-2212.	2.3	8