

Alejandra Hs Hernández-Santoyo

List of Publications by Year in descending order

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31
papers

618
citations

623734

14
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of human cystatinâ€fC stabilized against amyloid formation. FEBS Journal, 2010, 277, 1726-1737.	4.7	73
2	Inactivation of Triosephosphate Isomerase from Trypanosoma cruzi by an Agent that Perturbs its Dimer Interface. Journal of Molecular Biology, 2004, 341, 1355-1365.	4.2	65
3	Structure and Inactivation of Triosephosphate Isomerase from Entamoeba histolytica. Journal of Molecular Biology, 2002, 322, 669-675.	4.2	54
4	The Mechanism of Autocatalytic Activation of Plant-type L-Asparaginases. Journal of Biological Chemistry, 2008, 283, 13388-13397.	3.4	48
5	The influence of an internal electric field upon protein crystallization using the gel-acupuncture method. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1533-1538.	2.5	43
6	A Single Mutation at the Sheet Switch Region Results in Conformational Changes Favoring Î»6 Light-Chain Fibrillogenesis. Journal of Molecular Biology, 2010, 396, 280-292.	4.2	43
7	Insights into a conformational epitope of Hev b 6.02 (hevein). Biochemical and Biophysical Research Communications, 2004, 314, 123-130.	2.1	42
8	Molecular and functional characterization of a glycosylated Galactose-Binding lectin from Mytilus californianus. Fish and Shellfish Immunology, 2017, 66, 564-574.	3.6	27
9	Purification and characterization of several digestive proteases from the blue abalone, Haliotis fulgens. Aquaculture, 1998, 159, 203-216.	3.5	24
10	Production of bioactive conjugated linoleic acid by the multifunctional enolase from Lactobacillus plantarum. International Journal of Biological Macromolecules, 2016, 91, 524-535.	7.5	23
11	Functional characterization of a fatty acid double-bond hydratase from Lactobacillus plantarum and its interaction with biosynthetic membranes. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 3166-3174.	2.6	19
12	Crystal packing of plant-type<sc>L</sc>-asparaginase from<i>Escherichia coli</i>. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 309-320.	2.5	17
13	Structural analysis of the endogenous glycoallergen Hev b 2 (endo-Î²-1,3-glucanase) from<i>Hevea brasiliensis</i>and its recognition by human basophils. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 329-341.	2.5	15
14	Different contribution of conserved amino acids to the global properties of triosephosphate isomerases. Proteins: Structure, Function and Bioinformatics, 2014, 82, 323-335.	2.6	15
15	Crystallization and Preliminary X-Ray Analysis of Ovocleidin-17 A Major Protein of the Gallus Gallus Eggshell Calcified Layer. Protein and Peptide Letters, 2002, 9, 253-257.	0.9	15
16	Characterization of the Novel Ophthalmic Drug Carrier Sophisen in Two of Its Derivatives: 3A Oftenoâ„¢ and Modusik-A Oftenoâ„¢. Drug Development and Industrial Pharmacy, 2005, 31, 263-269.	2.0	14
17	A single amino acid substitution on the surface of a natural hevein isoform (Hev b 6.0202), confers different IgE recognition. FEBS Letters, 2006, 580, 2483-2487.	2.8	10
18	Effects of a Buried Cysteine-To-Serine Mutation on Yeast Triosephosphate Isomerase Structure and Stability. International Journal of Molecular Sciences, 2012, 13, 10010-10021.	4.1	9

#	ARTICLE	IF	CITATIONS
19	Stabilizing an amyloidogenic β 6 light chain variable domain. FEBS Journal, 2017, 284, 3702-3717.	4.7	9
20	A biophysical and structural study of two chitinases from <i>AgaveÂtequilana</i> and their potential role as defense proteins. FEBS Journal, 2019, 286, 4778-4796.	4.7	8
21	Biophysical Evidence of Lipid and Carbohydrate Binding Activities of Shrimp High Density Lipoprotein / B Glucan Binding Protein. Protein and Peptide Letters, 2002, 9, 337-334.	0.9	8
22	Effects of Soy Glycinin Addition on the Conformation and Gel Strength of Two Pork Myosin Types. Journal of Food Science, 2003, 68, 2724-2729.	3.1	7
23	Crystal structure of Cu ²⁺ /Zn superoxide dismutase from <i>TaeniaÂfsolium</i> reveals metal-mediated self-assembly. FEBS Journal, 2011, 278, 3308-3318.	4.7	7
24	The role of conserved non-aromatic residues in the <i>Lactobacillus amylovorus</i> β -amylase CBM26-starch interaction. International Journal of Biological Macromolecules, 2019, 121, 829-838.	7.5	6
25	Sterol composition and biosynthesis in the sponge <i>Spherospongia vesparia</i> . Journal of Chemical Technology and Biotechnology, 1998, 72, 245-248.	3.2	4
26	Effect of extrapallial protein of <i>Mytilus californianus</i> on the process of in vitro biomineralization of chitosan scaffolds. Heliyon, 2019, 5, e02252.	3.2	4
27	Karyotype description of <i>Pomacea patula catemacensis</i> (Caenogastropoda, Ampullariidae), with an assessment of the taxonomic status of <i>Pomacea patula</i> . Biocell, 2004, 28, 279-85.	0.7	4
28	Crystal structure of a C-type lysozyme from <i>Litopenaeus vanamei</i> exhibiting a high binding constant to its chitotriose inhibitor. Fish and Shellfish Immunology, 2020, 100, 246-255.	3.6	3
29	Data concerning secondary structure and alpha-glucans-binding capacity of the LaCBM26. Data in Brief, 2018, 21, 1944-1949.	1.0	2
30	Difficult Macromolecular Structures Determined Using X-ray Diffraction Techniques. Protein and Peptide Letters, 2012, 19, 770-777.	0.9	0
31	BIOCHEMICAL CHARACTERIZATION OF ANTI-METHICILLIN RESISTANT <i>S. aureus</i> PROTEIN (P-80) FROM MARINE <i>Pseudoalteromonas</i> . Journal of Microbiology, Biotechnology and Food Sciences, 2017, 7, 294-298.	0.8	0