

Carlos A H Fernandes

List of Publications by Year in descending order

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papers

511
citations

759233

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642732

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26
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26
docs citations

26
times ranked

516
citing authors

#	ARTICLE	IF	CITATIONS
1	A structure-based proposal for a comprehensive myotoxic mechanism of phospholipase A2-like proteins from viperid snake venoms. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2265-2276.	2.3	73
2	Secreted Phospholipases A2 from Animal Venoms in Pain and Analgesia. <i>Toxins</i> , 2017, 9, 406.	3.4	55
3	Comparison between apo and complexed structures of bothropstoxin-I reveals the role of Lys122 and Ca ²⁺ -binding loop region for the catalytically inactive Lys49-PLA2s. <i>Journal of Structural Biology</i> , 2010, 171, 31-43.	2.8	46
4	Structural, functional, and bioinformatics studies reveal a new snake venom homologue phospholipase A ₂ class. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 61-78.	2.6	44
5	Crystal structure of a phospholipase A2 homolog complexed with p-bromophenacyl bromide reveals important structural changes associated with the inhibition of myotoxic activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1583-1590.	2.3	33
6	Structural bases for a complete myotoxic mechanism: Crystal structures of two non-catalytic phospholipases A2-like from <i>Bothrops brazili</i> venom. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2772-2781.	2.3	33
7	Structural Basis for the Inhibition of a Phospholipase A2-Like Toxin by Caffeic and Aristolochic Acids. <i>PLoS ONE</i> , 2015, 10, e0133370.	2.5	33
8	The Intriguing Phospholipases A2 Homologues: Relevant Structural Features on Myotoxicity and Catalytic Inactivity. <i>Protein and Peptide Letters</i> , 2009, 16, 887-893.	0.9	25
9	Functional and structural studies of a Phospholipase A2-like protein complexed to zinc ions: Insights on its myotoxicity and inhibition mechanism. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3199-3209.	2.4	24
10	Molecular cloning and biochemical characterization of a myotoxin inhibitor from <i>Bothrops alternatus</i> snake plasma. <i>Biochimie</i> , 2011, 93, 583-592.	2.6	21
11	Structural and Phylogenetic Studies with MjTX-I Reveal a Multi-Oligomeric Toxin – a Novel Feature in Lys49-PLA2s Protein Class. <i>PLoS ONE</i> , 2013, 8, e60610.	2.5	16
12	Influence of Quaternary Conformation on the Biological Activities of the Asp49-phospholipases A2s from Snake Venoms. <i>Protein and Peptide Letters</i> , 2009, 16, 852-859.	0.9	15
13	Structural studies with BnSP-7 reveal an atypical oligomeric conformation compared to phospholipases A2-like toxins. <i>Biochimie</i> , 2017, 142, 11-21.	2.6	11
14	Gallic acid anti-myotoxic activity and mechanism of action, a snake venom phospholipase A2 toxin inhibitor, isolated from the medicinal plant <i>Anacardium humile</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 185, 494-512.	7.5	11
15	Biophysical Characterization of the Recombinant Importin- β from <i>Neurospora crassa</i> . <i>Protein and Peptide Letters</i> , 2013, 20, 8-16.	0.9	10
16	Replication Protein A β 1 Has a Preference for the Telomeric G β rich Sequence in <i>Trypanosoma cruzi</i> . <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 345-356.	1.7	10
17	A multi-approach analysis highlights the relevance of RPA-1 as a telomere end-binding protein (TEBP) in <i>Leishmania amazonensis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129607.	2.4	10
18	Crystallization and preliminary X-ray diffraction analysis of a Lys49-phospholipase A ₂ complexed with caffeic acid, a molecule with inhibitory properties against snake venoms. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 249-252.	0.7	7

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19	Isolation and structural characterization of bioactive compound from <i>Aristolochia sprucei</i> aqueous extract with anti-myotoxic activity. <i>Toxicon</i> : X, 2020, 7, 100049.	2.9	7
20	Preliminary X-Ray Crystallographic Studies of a Lys49-Phospholipase A2 Homologue from <i>Bothrops pirajai</i> Venom Complexed with p-Bromophenacyl Bromide and α -Tocopherol Inhibitors. <i>Protein and Peptide Letters</i> , 2007, 14, 698-701.	0.9	6
21	Molecular cloning and structural modelling of gamma-phospholipase A2 inhibitors from <i>Bothrops atrox</i> and <i>Micrurus lemniscatus</i> snakes. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 525-532.	7.5	6
22	Nuclear export of replication protein A in the nonreplicative infective forms of <i>Trypanosoma</i> \hat{A} cruzi. <i>FEBS Letters</i> , 2020, 594, 1596-1607.	2.8	6
23	A calmodulin-like protein (LCALA) is a new <i>Leishmania amazonensis</i> candidate for telomere end-binding protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2583-2597.	2.4	4
24	Dual cellular localization of the <i>Leishmania amazonensis</i> Rbp38 (LaRbp38) explains its affinity for telomeric and mitochondrial DNA. <i>Biochimie</i> , 2019, 162, 15-25.	2.6	3
25	Crystallization and preliminary X-ray diffraction analysis of three myotoxic phospholipases A ₂ from <i>Bothrops brazili</i> venom. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 935-938.	0.7	1
26	RPA-1 from <i>Leishmania</i> sp.: Recombinant Protein Expression and Purification, Molecular Modeling, and Molecular Dynamics Simulations Protocols. <i>Methods in Molecular Biology</i> , 2021, 2281, 169-191.	0.9	1