

Anderson S Pinheiro

List of Publications by Year in descending order

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39
papers

971
citations

430843

18
h-index

454934

30
g-index

42
all docs

42
docs citations

42
times ranked

1709
citing authors

#	ARTICLE	IF	CITATIONS
1	Oligomerization and Membrane-binding Properties of Covalent Adducts Formed by the Interaction of I \pm -Synuclein with the Toxic Dopamine Metabolite 3,4-Dihydroxyphenylacetaldehyde (DOPAL). <i>Journal of Biological Chemistry</i> , 2015, 290, 27660-27679.	3.4	100
2	From Structure to Catalysis: Recent Developments in the Biotechnological Applications of Lipases. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	99
3	I \pm -Synuclein as an intrinsically disordered monomer or fact or artefact?. <i>FEBS Journal</i> , 2013, 280, 4915-4927.	4.7	64
4	Pitfalls associated with the use of Thioflavin-T to monitor anti-fibrillogenic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3194-3198.	2.2	62
5	The NLRP12 Pyrin Domain: Structure, Dynamics, and Functional Insights. <i>Journal of Molecular Biology</i> , 2011, 413, 790-803.	4.2	57
6	Three-dimensional Structure of the NLRP7 Pyrin Domain. <i>Journal of Biological Chemistry</i> , 2010, 285, 27402-27410.	3.4	53
7	Natural Products: Insights into Leishmaniasis Inflammatory Response. <i>Mediators of Inflammation</i> , 2015, 2015, 1-12.	3.0	52
8	Structural Signature of the MYPT1~PP1 Interaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 73-80.	13.7	44
9	Structural and Functional Analysis of the NLRP4 Pyrin Domain. <i>Biochemistry</i> , 2012, 51, 7330-7341.	2.5	42
10	Liquid-liquid phase separation and fibrillation of the prion protein modulated by a high-affinity DNA aptamer. <i>FASEB Journal</i> , 2020, 34, 365-385.	0.5	42
11	PWWP domains and their modes of sensing DNA and histone methylated lysines. <i>Biophysical Reviews</i> , 2016, 8, 63-74.	3.2	41
12	Identification of Chalcone Derivatives as Inhibitors of <i>Leishmania infantum</i> Arginase and Promising Antileishmanial Agents. <i>Frontiers in Chemistry</i> , 2020, 8, 624678.	3.6	29
13	<i>Leishmania infantum</i> arginase: biochemical characterization and inhibition by naturally occurring phenolic substances. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1100-1109.	5.2	28
14	The Metastable State of Nucleocapsids of Enveloped Viruses as Probed by High Hydrostatic Pressure. <i>Journal of Biological Chemistry</i> , 2001, 276, 7415-7421.	3.4	26
15	NMR solution structure of the reduced form of thioredoxin 1 from <i>Sacharomyces cerevisiae</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 584-587.	2.6	21
16	Cytotoxicity and anti- <i>Leishmania amazonensis</i> activity of <i>Citrus sinensis</i> leaf extracts. <i>Pharmaceutical Biology</i> , 2017, 55, 1780-1786.	2.9	21
17	UV-induced selective oxidation of Met5 to Met-sulfoxide leads to the formation of neurotoxic fibril-incompetent I \pm -synuclein oligomers. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2014, 21, 163-174.	3.0	20
18	NMR solution structure of the reduced form of thioredoxin 2 from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biomolecular NMR</i> , 2007, 38, 99-104.	2.8	18

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19	Unveiling the role of the pesticides paraquat and rotenone on α -synuclein fibrillation in vitro. <i>NeuroToxicology</i> , 2015, 46, 35-43.	3.0	18
20	Insights into the specificity for the interaction of the promiscuous SARS-CoV-2 nucleocapsid protein N-terminal domain with deoxyribonucleic acids. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 466-480.	7.5	16
21	Pressure-Induced Fusogenic Conformation of Vesicular Stomatitis Virus Glycoprotein. <i>Biochemistry</i> , 2003, 42, 5540-5546.	2.5	15
22	A structural perspective on the mechanisms of quorum sensing activation in bacteria. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 2189-2203.	0.8	13
23	Dynamics of the SARS-CoV-2 nucleoprotein N-terminal domain triggers RNA duplex destabilization. <i>Biophysical Journal</i> , 2021, 120, 2814-2827.	0.5	12
24	Oligomeric transition and dynamics of RNA binding by the HuR RRM1 domain in solution. <i>Journal of Biomolecular NMR</i> , 2018, 72, 179-192.	2.8	11
25	Hydration and Conformational Equilibrium in Yeast Thioredoxin 1: Implication for H ⁺ Exchange. <i>Biochemistry</i> , 2014, 53, 2890-2902.	2.5	9
26	The PWWP domain of the human oncogene WHSC1L1/NSD3 induces a metabolic shift toward fermentation. <i>Oncotarget</i> , 2017, 8, 54068-54081.	1.8	8
27	Retinoic Acid Binding Leads to CRABP2 Rigidification and Dimerization. <i>Biochemistry</i> , 2019, 58, 4183-4194.	2.5	7
28	Phase separation of the mammalian prion protein: Physiological and pathological perspectives. <i>Journal of Neurochemistry</i> , 2023, 166, 58-75.	3.9	6
29	¹ H, ¹³ C and ¹⁵ N Resonance Assignments for the Reduced Forms of Thioredoxin 1 and 2 from <i>S. cerevisiae</i> . <i>Journal of Biomolecular NMR</i> , 2006, 36, 35-35.	2.8	5
30	¹ H NMR metabolomics reveals increased glutaminolysis upon overexpression of NSD3s or Pdp3 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cellular Biochemistry</i> , 2019, 120, 5377-5385.	2.6	5
31	¹ H, ¹⁵ N and ¹³ C resonance assignments of the RRM1 domain of the key post-transcriptional regulator HuR. <i>Biomolecular NMR Assignments</i> , 2015, 9, 281-284.	0.8	4
32	Unveiling the physicochemical properties and chemical profile of artisanal jabuticaba wines by bromatological and NMR-based metabolomics approaches. <i>LWT - Food Science and Technology</i> , 2021, 146, 111371.	5.2	4
33	Enzymes in the time of COVID-19: An overview about the effects in the human body, enzyme market, and perspectives for new drugs. <i>Medicinal Research Reviews</i> , 2022, 42, 2126-2167.	10.5	4
34	Backbone and sidechain ¹ H, ¹⁵ N and ¹³ C assignments of the NLRP7 pyrin domain. <i>Biomolecular NMR Assignments</i> , 2009, 3, 207-209.	0.8	3
35	Refolding, purification, and preliminary structural characterization of the DNA-binding domain of the quorum sensing receptor RhlR from <i>Pseudomonas aeruginosa</i> . <i>Protein Expression and Purification</i> , 2016, 121, 31-40.	1.3	3
36	Backbone and side chain ¹ H, ¹⁵ N and ¹³ C assignments of the KSR1 CA1 domain. <i>Biomolecular NMR Assignments</i> , 2011, 5, 39-41.	0.8	1

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37	Polyamine and Trypanothione Pathways as Targets for Novel Antileishmanial Drugs. Topics in Medicinal Chemistry, 2021, , 143-180.	0.8	1
38	Synthesis and in silico and in vitro evaluation of trimethoxy-benzamides designed as anti-prion derivatives. Medicinal Chemistry Research, 2019, 28, 2128-2141.	2.4	0
39	Identification and recombinant expression of an antimicrobial peptide (cecropin B-like) from soybean pest <i>Anticarsia gemmatalis</i> . Journal of Venomous Animals and Toxins Including Tropical Diseases, 2021, 27, e20200127.	1.4	0