

Julio Borges

List of Publications by Year in descending order

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87
papers

1,629
citations

304602

22
h-index

377752

34
g-index

90
all docs

90
docs citations

90
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Folding Assisted by Chaperones. <i>Protein and Peptide Letters</i> , 2005, 12, 257-261.	0.4	137
2	Potential Antileukemia Effect and Structural Analyses of SRPK Inhibition by N-(2-(Piperidin-1-yl)-5-(Trifluoromethyl)Phenyl)isonicotinamide (SRPIN340). <i>PLoS ONE</i> , 2015, 10, e0134882.	1.1	67
3	Low Resolution Structural Study of Two Human HSP40 Chaperones in Solution. <i>Journal of Biological Chemistry</i> , 2005, 280, 13671-13681.	1.6	63
4	Spectroscopic and thermodynamic measurements of nucleotide-induced changes in the human 70-kDa heat shock cognate protein. <i>Archives of Biochemistry and Biophysics</i> , 2006, 452, 46-54.	1.4	52
5	Native crystal structure of a nitric oxide-releasing lectin from the seeds of <i>Canavalia maritima</i> . <i>Journal of Structural Biology</i> , 2005, 152, 185-194.	1.3	45
6	Human Mitochondrial Hsp70 (Mortalin): Shedding Light on ATPase Activity, Interaction with Adenosine Nucleotides, Solution Structure and Domain Organization. <i>PLoS ONE</i> , 2015, 10, e0117170.	1.1	44
7	Alginate hydrogel improves anti-angiogenic bevacizumab activity in cancer therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 119, 271-282.	2.0	42
8	Structure of chorismate synthase from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , 2006, 154, 130-143.	1.3	41
9	The Molecular Chaperone Hsp70 Family Members Function by a Bidirectional Heterotrophic Allosteric Mechanism. <i>Protein and Peptide Letters</i> , 2011, 18, 132-142.	0.4	41
10	Analysis of Molecular Targets of <i>Mycobacterium tuberculosis</i> by Analytical Ultracentrifugation. <i>Current Medicinal Chemistry</i> , 2011, 18, 1276-1285.	1.2	38
11	EGFR-targeted immunoliposomes efficiently deliver docetaxel to prostate cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111185.	2.5	38
12	Pt II, Pd II and Au III complexes with a thiosemicarbazone derived from diacetylmonooxime: Structural analysis, trypanocidal activity, cytotoxicity and first insight into the antiparasitic mechanism of action. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 615-631.	2.6	37
13	Structural and functional studies of <i>Leishmania braziliensis</i> Hsp90. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 351-361.	1.1	32
14	Heterotypic Coiled-Coil Formation is Essential for the Correct Assembly of the Septin Heterofilament. <i>Biophysical Journal</i> , 2016, 111, 2608-2619.	0.2	32
15	Molecular chaperone genes in the sugarcane expressed sequence database (SUCEST). <i>Genetics and Molecular Biology</i> , 2001, 24, 85-92.	0.6	30
16	On the molecular mass of the extracellular hemoglobin of <i>Glossoscolex paulistus</i> : Analytical ultracentrifugation reexamination. <i>Analytical Biochemistry</i> , 2009, 385, 257-263.	1.1	28
17	Transferrin-functionalized liposomes for docetaxel delivery to prostate cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125806.	2.3	28
18	Identification of Regions Involved in Substrate Binding and Dimer Stabilization within the Central Domains of Yeast Hsp40 Sis1. <i>PLoS ONE</i> , 2012, 7, e50927.	1.1	28

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19	Free Human Mitochondrial GrpE Is a Symmetric Dimer in Solution. <i>Journal of Biological Chemistry</i> , 2003, 278, 35337-35344.	1.6	26
20	Expression and variability of molecular chaperones in the sugarcane expressome. <i>Journal of Plant Physiology</i> , 2007, 164, 505-513.	1.6	26
21	From Conformation to Interaction: Techniques to Explore the Hsp70/ Hsp90 Network. <i>Current Protein and Peptide Science</i> , 2015, 16, 735-753.	0.7	25
22	Central domain deletions affect the SAXS solution structure and function of Yeast Hsp40 proteins Sis1 and Ydj1. <i>BMC Structural Biology</i> , 2011, 11, 40.	2.3	24
23	Structural and stability studies of the human mtHsp70-escort protein 1: An essential mortalin co-chaperone. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 140-148.	3.6	23
24	A review of multi-domain and flexible molecular chaperones studies by small-angle X-ray scattering. <i>Biophysical Reviews</i> , 2016, 8, 107-120.	1.5	23
25	Phosphate closes the solution structure of the 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS) from <i>Mycobacterium tuberculosis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2006, 452, 156-164.	1.4	22
26	Low Resolution Structural Studies Indicate that the Activator of Hsp90 ATPase 1 (Aha1) of <i>Leishmania braziliensis</i> Has an Elongated Shape Which Allows Its Interaction with Both N- and M-Domains of Hsp90. <i>PLoS ONE</i> , 2013, 8, e66822.	1.1	22
27	Structural studies of shikimate 5- α -dehydrogenase from <i>Mycobacterium tuberculosis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 720-730.	1.5	21
28	Human Regulatory Protein Ki-1/57 Has Characteristics of an Intrinsically Unstructured Protein. <i>Journal of Proteome Research</i> , 2008, 7, 4465-4474.	1.8	21
29	Heterobimetallic nickel(II) and palladium(II) complexes derived from S-benzyl-N-(ferrocenyl)methylenedithiocarbamate: Trypanocidal activity and interaction with <i>Trypanosoma cruzi</i> Old Yellow Enzyme (TcOYE). <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 213-223.	2.6	20
30	<i>Aspergillus fumigatus</i> Hsp90 interacts with the main components of the cell wall integrity pathway and cooperates in heat shock and cell wall stress adaptation. <i>Cellular Microbiology</i> , 2021, 23, e13273.	1.1	20
31	Molecular masses and sedimentation coefficients of extracellular hemoglobin of <i>Glossoscolex paulistus</i> : Alkaline oligomeric dissociation. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 183-193.	3.6	19
32	Identification of two p23 chaperone isoforms in <i>Leishmania braziliensis</i> exhibiting similar structures and Hsp90 interaction properties despite divergent stabilities. <i>FEBS Journal</i> , 2015, 282, 388-406.	2.2	19
33	Structural studies of the <i>Trypanosoma cruzi</i> Old Yellow Enzyme: Insights into enzyme dynamics and specificity. <i>Biophysical Chemistry</i> , 2013, 184, 44-53.	1.5	18
34	Exploiting supramolecular interactions to produce bevacizumab-loaded nanoparticles for potential mucosal delivery. <i>European Polymer Journal</i> , 2018, 103, 238-250.	2.6	18
35	Interaction of HSPA5 (Grp78, BIP) with negatively charged phospholipid membranes via oligomerization involving the N-terminal end domain. <i>Cell Stress and Chaperones</i> , 2020, 25, 979-991.	1.2	18
36	Tonin in rat heart with experimental hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H2263-H2268.	1.5	17

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37	Purine Nucleoside Phosphorylase: A Potential Target for the Development of Drugs to Treat T-Cell- and Apicomplexan Parasite-Mediated Diseases. <i>Current Drug Targets</i> , 2007, 8, 413-422.	1.0	17
38	Low resolution structure and stability studies of human GrpE#2, a mitochondrial nucleotide exchange factor. <i>Archives of Biochemistry and Biophysics</i> , 2006, 449, 77-86.	1.4	16
39	The C-terminal region of the human p23 chaperone modulates its structure and function. <i>Archives of Biochemistry and Biophysics</i> , 2015, 565, 57-67.	1.4	16
40	Heat Shock Proteins Revisited: Using a Mutasynthetically Generated Reblastatin Library to Compare the Inhibition of Human and <i>Leishmania</i> Hsp90s. <i>ChemBioChem</i> , 2018, 19, 562-574.	1.3	16
41	Characterization of nucleotide-induced changes on the quaternary structure of human 70 kDa heat shock protein Hsp70.1 by analytical ultracentrifugation. <i>BMB Reports</i> , 2009, 42, 166-171.	1.1	16
42	Stoichiometry and thermodynamics of the interaction between the C-terminus of human 90kDa heat shock protein Hsp90 and the mitochondrial translocase of outer membrane Tom70. <i>Archives of Biochemistry and Biophysics</i> , 2011, 513, 119-125.	1.4	15
43	Human heat shock cognate protein (HSC70/HSPA8) interacts with negatively charged phospholipids by a different mechanism than other HSP70s and brings HSP90 into membranes. <i>Cell Stress and Chaperones</i> , 2021, 26, 671-684.	1.2	15
44	Identification and in silico expression pattern analysis of Eucalyptus expressed sequencing tags (ESTs) encoding molecular chaperones. <i>Genetics and Molecular Biology</i> , 2005, 28, 520-528.	0.6	14
45	Limited proteolysis of myoglobin opens channel in ferroxidase-globin complex for iron to zinc transmetallation. <i>Food Chemistry</i> , 2016, 210, 491-499.	4.2	14
46	Sugarcane Hsp101 is a hexameric chaperone that binds nucleotides. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 1022-1030.	3.6	13
47	Insights on the structural dynamics of <i>Leishmania braziliensis</i> Hsp90 molecular chaperone by small angle X-ray scattering. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 503-512.	3.6	13
48	Structural studies of the Hsp70/Hsp90 organizing protein of <i>Plasmodium falciparum</i> and its modulation of Hsp70 and Hsp90 ATPase activities. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140282.	1.1	13
49	Thermal aggregates of human mortalin and Hsp70-1A behave as supramolecular assemblies. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 320-331.	3.6	13
50	Human HSPA9 (mtHsp70, mortalin) interacts with lipid bilayers containing cardiolipin, a major component of the inner mitochondrial membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183436.	1.4	13
51	Discovery of small molecule inhibitors of <i>Leishmania braziliensis</i> Hsp90 chaperone. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 639-649.	2.5	13
52	Assembly principles of the human R2TP chaperone complex reveal the presence of R2T and R2P complexes. <i>Structure</i> , 2022, 30, 156-171.e12.	1.6	13
53	Low resolution structural characterization of the Hsp70-interacting protein "Hip" from <i>Leishmania braziliensis</i> emphasizes its high asymmetry. <i>Archives of Biochemistry and Biophysics</i> , 2012, 520, 88-98.	1.4	12
54	Solution structure of the human signaling protein RACK1. <i>BMC Structural Biology</i> , 2010, 10, 15.	2.3	11

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55	Deactivation of Ferrylmyoglobin by Vanillin as Affected by Vanillin Binding to β^2 -Lactoglobulin. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6202-6208.	2.4	11
56	Structural and functional studies of the <i>Leishmania braziliensis</i> SGT co-chaperone indicate that it shares structural features with HIP and can interact with both Hsp90 and Hsp70 with similar affinities. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 693-706.	3.6	11
57	Thermodynamic analysis of interactions of the Hsp90 with adenosine nucleotides: A comparative perspective. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 125-138.	3.6	11
58	Comparative studies of the low-resolution structure of two p23 co-chaperones for Hsp90 identified in <i>Plasmodium falciparum</i> genome. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 193-204.	3.6	10
59	Conformational Changes in Human Hsp70 Induced by High Hydrostatic Pressure Produce Oligomers with ATPase Activity but without Chaperone Activity. <i>Biochemistry</i> , 2014, 53, 2884-2889.	1.2	9
60	Immunization with recombinant enolase of <i>Sporothrix</i> spp. (rSsEno) confers effective protection against sporotrichosis in mice. <i>Scientific Reports</i> , 2019, 9, 17179.	1.6	9
61	The Interaction Networks of Hsp70 and Hsp90 in the <i>Plasmodium</i> and <i>Leishmania</i> Parasites. , 2014, , 445-481.		9
62	Structural studies of prephenate dehydratase from <i>Mycobacterium tuberculosis</i> H37Rv by SAXS, ultracentrifugation, and computational analysis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 1352-1362.	1.5	8
63	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 238-245.	3.6	8
64	Low sequence identity but high structural and functional conservation: The case of Hsp70/Hsp90 organizing protein (Hop/Sti1) of <i>Leishmania braziliensis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2016, 600, 12-22.	1.4	8
65	Structural and functional studies of the <i>Leishmania braziliensis</i> mitochondrial Hsp70: Similarities and dissimilarities to human orthologues. <i>Archives of Biochemistry and Biophysics</i> , 2017, 613, 43-52.	1.4	8
66	Violacein-Induced Chaperone System Collapse Underlies Multistage Antiplasmodial Activity. <i>ACS Infectious Diseases</i> , 2021, 7, 759-776.	1.8	8
67	Structural and functional studies of Hsp70-escort protein "Hep1" of <i>Leishmania braziliensis</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 79, 903-912.	3.6	7
68	The molecular structure of <i>Schistosoma mansoni</i> PNP isoform 2 provides insights into the nucleoside selectivity of PNPs. <i>PLoS ONE</i> , 2018, 13, e0203532.	1.1	7
69	Structural, thermodynamic and functional studies of human 71 kDa heat shock cognate protein (HSPA8/hHsc70). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140719.	1.1	7
70	Solution structure of <i>Plasmodium falciparum</i> Hsp90 indicates a high flexible dimer. <i>Archives of Biochemistry and Biophysics</i> , 2020, 690, 108468.	1.4	6
71	Trypanosomatid selenophosphate synthetase structure, function and interaction with selenocysteine lyase. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008091.	1.3	5
72	Anti-EGFR liquid crystalline nanodispersions for docetaxel delivery: Formulation, characterization and cytotoxicity in cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126058.	2.3	5

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73	Possible Involvement of Hsp90 in the Regulation of Telomere Length and Telomerase Activity During the <i>Leishmania amazonensis</i> Developmental Cycle and Population Proliferation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 713415.	1.8	5
74	New insights on human Hsp70-escort protein 1: Chaperone activity, interaction with liposomes, cellular localizations and HSPA's self-assemblies remodeling. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 772-784.	3.6	4
75	Structural studies of Old Yellow Enzyme of <i>Leishmania braziliensis</i> in solution. <i>Archives of Biochemistry and Biophysics</i> , 2019, 661, 87-96.	1.4	3
76	Studies on the effect of the J-domain on the substrate binding domain (SBD) of Hsp70 using a chimeric human J-SBD polypeptide. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 111-120.	3.6	3
77	Rational design of nanocarriers based on gellan gum/retrograded starch exploiting polyelectrolyte complexation and ionic cross-linking processes: A potential technological platform for oral delivery of bevacizumab. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102765.	1.4	3
78	Purification and characterization of a novel and conserved TPR-domain protein that binds both Hsp90 and Hsp70 and is expressed in all developmental stages of <i>Leishmania major</i> . <i>Biochimie</i> , 2021, 182, 51-60.	1.3	2
79	Insights into the full-length SRPK2 structure and its hydrodynamic behavior. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 205-214.	3.6	1
80	Biochemical and biophysical characterization of the RVB-1/RVB-2 protein complex, the RuvBL/RVB homologues in <i>Neurospora crassa</i> . <i>Biochimie</i> , 2021, 191, 11-26.	1.3	1
81	A <i>Sporothrix</i> spp. enolase derived multi-epitope vaccine confers protective response in BALB/c mice challenged with <i>Sporothrix brasiliensis</i> . <i>Microbial Pathogenesis</i> , 2022, 166, 105539.	1.3	1
82	Chaperones & Co: Roles in Protein/Nucleic Acid Homeostasis. <i>Current Proteomics</i> , 2018, 16, 3-4.	0.1	0
83	Molecular Chaperones Involved in Protein Recovery from Aggregates are Present in Protozoa Causative of Malaria and Leishmaniasis. <i>Current Proteomics</i> , 2018, 16, 12-21.	0.1	0
84	Title is missing!. , 2020, 14, e0008091.		0
85	Title is missing!. , 2020, 14, e0008091.		0
86	Title is missing!. , 2020, 14, e0008091.		0
87	Title is missing!. , 2020, 14, e0008091.		0