

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	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
2	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
3	<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
4	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
5	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
6	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
7	Violacein-Induced Chaperone System Collapse Underlies Multistage Antiplasmodial Activity. <i>ACS Infectious Diseases</i> , 2021, 7, 759-776.	1.8	8
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Trypanosomatid selenophosphate synthetase structure, function and interaction with selenocysteine lyase. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008091.	1.3	5
17	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
18	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

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19	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
20	EGFR-targeted immunoliposomes efficiently deliver docetaxel to prostate cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111185.	2.5	38
21	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
22	Title is missing!. , 2020, 14, e0008091.		0
23	Title is missing!. , 2020, 14, e0008091.		0
24	Title is missing!. , 2020, 14, e0008091.		0
25	Title is missing!. , 2020, 14, e0008091.		0
26	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
27	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
28	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
29	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
30	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
31	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
32	Exploiting supramolecular interactions to produce bevacizumab-loaded nanoparticles for potential mucosal delivery. <i>European Polymer Journal</i> , 2018, 103, 238-250.	2.6	18
33	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
34	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
35	Chaperones & Co: Roles in Protein/Nucleic Acid Homeostasis. <i>Current Proteomics</i> , 2018, 16, 3-4.	0.1	0
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 238-245.	3.6	8
46	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
47	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
48	Identification of two p23 co-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
49	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
50	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
51	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
52	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
53	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
54	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

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55	The Interaction Networks of Hsp70 and Hsp90 in the Plasmodium and Leishmania Parasites. , 2014, , 445-481.		9
56	Structural studies of the Trypanosoma cruzi Old Yellow Enzyme: Insights into enzyme dynamics and specificity. Biophysical Chemistry, 2013, 184, 44-53.	1.5	18
57	Structural and stability studies of the human mtHsp70-escort protein 1: An essential mortalin co-chaperone. International Journal of Biological Macromolecules, 2013, 56, 140-148.	3.6	23
58	Structural and functional studies of Leishmania braziliensis Hsp90. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 351-361.	1.1	32
59	Low Resolution Structural Studies Indicate that the Activator of Hsp90 ATPase 1 (Aha1) of Leishmania braziliensis Has an Elongated Shape Which Allows Its Interaction with Both N- and M-Domains of Hsp90. PLoS ONE, 2013, 8, e66822.	1.1	22
60	Low resolution structural characterization of the Hsp70-interacting protein " Hip " from Leishmania braziliensis emphasizes its high asymmetry. Archives of Biochemistry and Biophysics, 2012, 520, 88-98.	1.4	12
61	Identification of Regions Involved in Substrate Binding and Dimer Stabilization within the Central Domains of Yeast Hsp40 Sis1. PLoS ONE, 2012, 7, e50927.	1.1	28
62	Deactivation of Ferrylmyoglobin by Vanillin as Affected by Vanillin Binding to Î²-Lactoglobulin. Journal of Agricultural and Food Chemistry, 2011, 59, 6202-6208.	2.4	11
63	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. Archives of Biochemistry and Biophysics, 2011, 513, 119-125.	1.4	15
64	Molecular masses and sedimentation coefficients of extracellular hemoglobin of Glossoscolex paulistus: Alkaline oligomeric dissociation. International Journal of Biological Macromolecules, 2011, 48, 183-193.	3.6	19
65	Sugarcane Hsp101 is a hexameric chaperone that binds nucleotides. International Journal of Biological Macromolecules, 2011, 49, 1022-1030.	3.6	13
66	The Molecular Chaperone Hsp70 Family Members Function by a Bidirectional Heterotropic Allosteric Mechanism. Protein and Peptide Letters, 2011, 18, 132-142.	0.4	41
67	Central domain deletions affect the SAXS solution structure and function of Yeast Hsp40 proteins Sis1 and Ydj1. BMC Structural Biology, 2011, 11, 40.	2.3	24
68	Analysis of Molecular Targets of Mycobacterium tuberculosis by Analytical Ultracentrifugation. Current Medicinal Chemistry, 2011, 18, 1276-1285.	1.2	38
69	Solution structure of the human signaling protein RACK1. BMC Structural Biology, 2010, 10, 15.	2.3	11
70	On the molecular mass of the extracellular hemoglobin of Glossoscolex paulistus: Analytical ultracentrifugation reexamination. Analytical Biochemistry, 2009, 385, 257-263.	1.1	28
71	Characterization of nucleotide-induced changes on the quaternary structure of human 70 kDa heat shock protein Hsp70.1 by analytical ultracentrifugation. BMB Reports, 2009, 42, 166-171.	1.1	16
72	Structural studies of shikimate 5â€dehydrogenase from <i>Mycobacterium tuberculosis</i>. Proteins: Structure, Function and Bioinformatics, 2008, 72, 720-730.	1.5	21

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73	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
74	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
75	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
76	Expression and variability of molecular chaperones in the sugarcane expressome. <i>Journal of Plant Physiology</i> , 2007, 164, 505-513.	1.6	26
77	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
78	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
79	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
80	Structure of chorismate synthase from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , 2006, 154, 130-143.	1.3	41
81	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
82	Protein Folding Assisted by Chaperones. <i>Protein and Peptide Letters</i> , 2005, 12, 257-261.	0.4	137
83	Low Resolution Structural Study of Two Human HSP40 Chaperones in Solution. <i>Journal of Biological Chemistry</i> , 2005, 280, 13671-13681.	1.6	63
84	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
85	Free Human Mitochondrial GrpE Is a Symmetric Dimer in Solution. <i>Journal of Biological Chemistry</i> , 2003, 278, 35337-35344.	1.6	26
86	Tonin in rat heart with experimental hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H2263-H2268.	1.5	17
87	Molecular chaperone genes in the sugarcane expressed sequence database (SUCEST). <i>Genetics and Molecular Biology</i> , 2001, 24, 85-92.	0.6	30