

Jerson L Silva

List of Publications by Citations

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212
papers

7,719
citations

47
h-index

78
g-index

236
ext. papers

8,544
ext. citations

4.9
avg, IF

5.89
L-index

#	Paper	IF	Citations
212	Pressure stability of proteins. <i>Annual Review of Physical Chemistry</i> , 1993 , 44, 89-113	15.7	466
211	Pressure provides new insights into protein folding, dynamics and structure. <i>Trends in Biochemical Sciences</i> , 2001 , 26, 612-8	10.3	349
210	Cytosolic-free calcium elevation in <i>Trypanosoma cruzi</i> is required for cell invasion. <i>Journal of Experimental Medicine</i> , 1994 , 180, 1535-40	16.6	191
209	The preaggregated state of an amyloidogenic protein: hydrostatic pressure converts native transthyretin into the amyloidogenic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 6445-50	11.5	186
208	Pressure dissociation and conformational drift of the beta dimer of tryptophan synthase. <i>Biochemistry</i> , 1986 , 25, 5780-6	3.2	171
207	DNA converts cellular prion protein into the beta-sheet conformation and inhibits prion peptide aggregation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 49400-9	5.4	169
206	Mutant p53 aggregates into prion-like amyloid oligomers and fibrils: implications for cancer. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28152-62	5.4	167
205	Dissociation of amyloid fibrils of alpha-synuclein and transthyretin by pressure reveals their reversible nature and the formation of water-excluded cavities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9831-6	11.5	162
204	Fibrillar aggregates of the tumor suppressor p53 core domain. <i>Biochemistry</i> , 2003 , 42, 9022-7	3.2	136
203	High-pressure chemical biology and biotechnology. <i>Chemical Reviews</i> , 2014 , 114, 7239-67	68.1	135
202	The use of hydrostatic pressure as a tool to study viruses and other macromolecular assemblages. <i>Current Opinion in Structural Biology</i> , 1996 , 6, 166-75	8.1	135
201	Dissociation of a native dimer to a molten globule monomer. Effects of pressure and dilution on the association equilibrium of arc repressor. <i>Journal of Molecular Biology</i> , 1992 , 223, 545-55	6.5	131
200	Prion-like aggregation of mutant p53 in cancer. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 260-7	10.3	126
199	Arc repressor will not denature under pressure in the absence of water. <i>Journal of Molecular Biology</i> , 1994 , 240, 184-7	6.5	94
198	Ligand binding and hydration in protein misfolding: insights from studies of prion and p53 tumor suppressor proteins. <i>Accounts of Chemical Research</i> , 2010 , 43, 271-9	24.3	90
197	Intriguing nucleic-acid-binding features of mammalian prion protein. <i>Trends in Biochemical Sciences</i> , 2008 , 33, 132-40	10.3	90
196	Hydration and packing effects on prion folding and beta-sheet conversion. High pressure spectroscopy and pressure perturbation calorimetry studies. <i>Journal of Biological Chemistry</i> , 2004 , 279, 32354-9	5.4	86

195	New insights into the mechanisms of protein misfolding and aggregation in amyloidogenic diseases derived from pressure studies. <i>Biochemistry</i> , 2004 , 43, 11361-70	3.2	86
194	Low temperature and pressure stability of picornaviruses: implications for virus uncoating. <i>Biophysical Journal</i> , 1999 , 76, 1270-9	2.9	86
193	Co-localization of mutant p53 and amyloid-like protein aggregates in breast tumors. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 60-4	5.6	85
192	Molten-globule conformation of Arc repressor monomers determined by high-pressure 1H NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 1776-80	11.5	81
191	Effects of hydrostatic pressure on a membrane-enveloped virus: high immunogenicity of the pressure-inactivated virus. <i>Journal of Virology</i> , 1992 , 66, 2111-7	6.6	80
190	Green Tea Extract (Camellia sinensis) as a Potential Antitumoral Agent on Breast Cancer Cells (FS13-04-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
189	Cold denaturation of a repressor-operator complex: the role of entropy in protein-DNA recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 8244-7	11.5	74
188	Pressure-induced dissociation of brome mosaic virus. <i>Journal of Molecular Biology</i> , 1988 , 199, 149-59	6.5	74
187	LexA repressor forms stable dimers in solution. The role of specific dna in tightening protein-protein interactions. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4708-12	5.4	71
186	Prion protein complexed to N2a cellular RNAs through its N-terminal domain forms aggregates and is toxic to murine neuroblastoma cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19616-25	5.4	70
185	A hypothesis to reconcile the physical and chemical unfolding of proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2775-84	11.5	68
184	The anti-Parkinsonian drug selegiline delays the nucleation phase of β synuclein aggregation leading to the formation of nontoxic species. <i>Journal of Molecular Biology</i> , 2011 , 405, 254-73	6.5	68
183	Hydrostatic pressure rescues native protein from aggregates. <i>Biotechnology and Bioengineering</i> , 1999 , 63, 552-8	4.9	68
182	Structural insights into the interaction between prion protein and nucleic acid. <i>Biochemistry</i> , 2006 , 45, 9180-7	3.2	67
181	Hydration and packing are crucial to amyloidogenesis as revealed by pressure studies on transthyretin variants that either protect or worsen amyloid disease. <i>Journal of Molecular Biology</i> , 2003 , 328, 963-74	6.5	65
180	Pressure denaturation of the bacteriophage P22 coat protein and its entropic stabilization in icosahedral shells. <i>Biophysical Journal</i> , 1994 , 66, 1631-41	2.9	64
179	The aggregation of mutant p53 produces prion-like properties in cancer. <i>Prion</i> , 2014 , 8, 75-84	2.3	62
178	Resveratrol chemosensitizes breast cancer cells to melphalan by cell cycle arrest. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 2586-96	4.7	60

177	High-pressure NMR study of the dissociation of Arc repressor. <i>Biochemistry</i> , 1994 , 33, 8323-9	3.2	59
176	The amino-terminal PrP domain is crucial to modulate prion misfolding and aggregation. <i>Biophysical Journal</i> , 2005 , 89, 2667-76	2.9	56
175	Controlling {beta}-amyloid oligomerization by the use of naphthalene sulfonates: trapping low molecular weight oligomeric species. <i>Journal of Biological Chemistry</i> , 2005 , 280, 34747-54	5.4	56
174	Inactivation of simian immunodeficiency virus by hydrostatic pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 6935-7	11.5	56
173	Heparin binding by murine recombinant prion protein leads to transient aggregation and formation of RNA-resistant species. <i>Journal of the American Chemical Society</i> , 2011 , 133, 334-44	16.4	54
172	Targeting the Prion-like Aggregation of Mutant p53 to Combat Cancer. <i>Accounts of Chemical Research</i> , 2018 , 51, 181-190	24.3	52
171	Folding of a pressure-denatured model protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 7888-93	11.5	52
170	Heparin binding confers prion stability and impairs its aggregation. <i>FASEB Journal</i> , 2014 , 28, 2667-76	0.9	50
169	Reversible pressure dissociation of R17 bacteriophage. The physical individuality of virus particles. <i>Journal of Molecular Biology</i> , 1993 , 231, 999-1008	6.5	50
168	Pressure-induced formation of inactive triple-shelled rotavirus particles is associated with changes in the spike protein Vp4. <i>Journal of Molecular Biology</i> , 2001 , 307, 1171-9	6.5	49
167	Nonspecific prion protein-nucleic acid interactions lead to different aggregates and cytotoxic species. <i>Biochemistry</i> , 2012 , 51, 5402-13	3.2	48
166	Partially folded states of the capsid protein of cowpea severe mosaic virus in the disassembly pathway. <i>Journal of Molecular Biology</i> , 1997 , 273, 456-66	6.5	48
165	Cognate DNA stabilizes the tumor suppressor p53 and prevents misfolding and aggregation. <i>Biochemistry</i> , 2009 , 48, 6126-35	3.2	47
164	Modulation of prion protein oligomerization, aggregation, and beta-sheet conversion by 4,4'-dianilino-1,1'-binaphthyl-5,5'-sulfonate (bis-ANS). <i>Journal of Biological Chemistry</i> , 2004 , 279, 5346-52	5.4	47
163	Cold denaturation of an icosahedral virus. The role of entropy in virus assembly. <i>Biochemistry</i> , 1995 , 34, 2672-7	3.2	47
162	The p53 core domain is a molten globule at low pH: functional implications of a partially unfolded structure. <i>Journal of Biological Chemistry</i> , 2010 , 285, 2857-66	5.4	46
161	Pressure-inactivated yellow fever 17DD virus: implications for vaccine development. <i>Journal of Virological Methods</i> , 2008 , 150, 57-62	2.6	46
160	Role of entropic interactions in viral capsids: single amino acid substitutions in P22 bacteriophage coat protein resulting in loss of capsid stability. <i>Biochemistry</i> , 1995 , 34, 1120-6	3.2	44

159	Differences in pressure stability of the three components of cowpea mosaic virus: implications for virus assembly and disassembly. <i>Biochemistry</i> , 1994 , 33, 8339-46	3.2	44
158	Dopamine affects the stability, hydration, and packing of protofibrils and fibrils of the wild type and variants of alpha-synuclein. <i>Biochemistry</i> , 2007 , 46, 472-82	3.2	43
157	Reversible aggregation plays a crucial role on the folding landscape of p53 core domain. <i>Biophysical Journal</i> , 2004 , 87, 2691-700	2.9	42
156	Effect of hydrostatic pressure on the mitochondrial ATP synthase. <i>Biochemistry</i> , 1988 , 27, 6704-10	3.2	42
155	Aggregation and Prion-Like Properties of Misfolded Tumor Suppressors: Is Cancer a Prion Disease?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016 , 8,	10.2	41
154	The "Jekyll and Hyde" Actions of Nucleic Acids on the Prion-like Aggregation of Proteins. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15482-90	5.4	41
153	Alpha-synuclein stepwise aggregation reveals features of an early onset mutation in Parkinson's disease. <i>Communications Biology</i> , 2019 , 2, 374	6.7	41
152	Expanding the prion concept to cancer biology: dominant-negative effect of aggregates of mutant p53 tumour suppressor. <i>Bioscience Reports</i> , 2013 , 33,	4.1	41
151	Pressure induces folding intermediates that are crucial for protein-DNA recognition and virus assembly. <i>BBA - Proteins and Proteomics</i> , 2002 , 1595, 250-65		41
150	Regulation of Amyloid β Oligomer Binding to Neurons and Neurotoxicity by the Prion Protein-mGluR5 Complex. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21945-21955	5.4	40
149	Conversion of wild-type p53 core domain into a conformation that mimics a hot-spot mutant. <i>Journal of Molecular Biology</i> , 2003 , 333, 443-51	6.5	39
148	Cancer Chemoprevention by Resveratrol: The p53 Tumor Suppressor Protein as a Promising Molecular Target. <i>Molecules</i> , 2017 , 22,	4.8	38
147	Structure of the Ebola fusion peptide in a membrane-mimetic environment and the interaction with lipid rafts. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27306-27314	5.4	38
146	Mimicry of the calcium-induced conformational state of troponin C by low temperature under pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10642-6	11.5	38
145	Protein folding and aggregation: two sides of the same coin in the condensation of proteins revealed by pressure studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 443-51	4	37
144	Osmolytes protect mitochondrial F(0)F(1)-ATPase complex against pressure inactivation. <i>BBA - Proteins and Proteomics</i> , 2001 , 1546, 164-70		37
143	DNA tightens the dimeric DNA-binding domain of human papillomavirus E2 protein without changes in volume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 14289-94	11.5	37
142	Fourier transform infrared spectroscopy provides a fingerprint for the tetramer and for the aggregates of transthyretin. <i>Biophysical Journal</i> , 2006 , 91, 957-67	2.9	36

141	Self-association and modification of calcium binding in solubilized sarcoplasmic reticulum adenosinetriphosphatase. <i>Biochemistry</i> , 1983 , 22, 707-16	3.2	36
140	Resveratrol prevents p53 aggregation and in breast cancer cells. <i>Oncotarget</i> , 2018 , 9, 29112-29122	3.3	36
139	p53 reactivation with induction of massive apoptosis-1 (PRIMA-1) inhibits amyloid aggregation of mutant p53 in cancer cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 3670-3682	5.4	35
138	Aggregation tendencies in the p53 family are modulated by backbone hydrogen bonds. <i>Scientific Reports</i> , 2016 , 6, 32535	4.9	34
137	Migration of vesicular stomatitis virus glycoprotein to the nucleus of infected cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 8268-73	11.5	34
136	Intermediate states of assembly in the dissociation of gastropod hemocyanin by hydrostatic pressure. <i>Biochemistry</i> , 1994 , 33, 2651-60	3.2	34
135	Distinct modulatory role of RNA in the aggregation of the tumor suppressor protein p53 core domain. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9345-9357	5.4	33
134	Hydrostatic pressure induces the fusion-active state of enveloped viruses. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8433-9	5.4	33
133	Formation of a denatured dimer limits the thermal stability of Arc repressor. <i>Journal of Molecular Biology</i> , 1997 , 273, 692-700	6.5	32
132	Pressure-inactivated FMDV: a potential vaccine. <i>Vaccine</i> , 2004 , 22, 2334-9	4.1	31
131	Reassembly of a large multisubunit protein promoted by nonprotein factors. Effects of calcium and glycerol on the association of extracellular hemoglobin. <i>Journal of Biological Chemistry</i> , 1991 , 266, 13210-13216	5.4	31
130	Misfolding, Aggregation, and Disordered Segments in c-Abl and p53 in Human Cancer. <i>Frontiers in Oncology</i> , 2015 , 5, 97	5.3	29
129	The hypothesis of the catalytic action of nucleic acid on the conversion of prion protein. <i>Protein and Peptide Letters</i> , 2005 , 12, 251-5	1.9	29
128	Transient transfection of a wild-type p53 gene triggers resveratrol-induced apoptosis in cancer cells. <i>PLoS ONE</i> , 2012 , 7, e48746	3.7	28
127	Characterization of a partially folded monomer of the DNA-binding domain of human papillomavirus E2 protein obtained at high pressure. <i>Journal of Biological Chemistry</i> , 1998 , 273, 9050-7	5.4	28
126	Concentration dependence of the subunit association of oligomers and viruses and the modification of the latter by urea binding. <i>Biophysical Journal</i> , 1996 , 70, 167-73	2.9	28
125	Liquid-liquid phase transitions and amyloid aggregation in proteins related to cancer and neurodegenerative diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019 , 118, 289-331	5.3	28
124	Inhibition of Mayaro virus infection by bovine lactoferrin. <i>Virology</i> , 2014 , 452-453, 297-302	3.6	27

123	PrP interactions with nucleic acids and glycosaminoglycans in function and disease. <i>Frontiers in Bioscience - Landmark</i> , 2010 , 15, 132-50	2.8	27
122	Virus maturation targets the protein capsid to concerted disassembly and unfolding. <i>Journal of Biological Chemistry</i> , 2000 , 275, 16037-43	5.4	27
121	Structural basis for the dissociation of Eynuclein fibrils triggered by pressure perturbation of the hydrophobic core. <i>Scientific Reports</i> , 2016 , 6, 37990	4.9	27
120	The peculiar interaction between mammalian prion protein and RNA. <i>Prion</i> , 2008 , 2, 64-6	2.3	25
119	Pressure and low temperature effects on the fluorescence emission spectra and lifetimes of the photosynthetic components of cyanobacteria. <i>Biophysical Journal</i> , 1992 , 63, 1613-22	2.9	25
118	Slab gel electrophoresis of oligomeric proteins under high hydrostatic pressure. I. Description of the system and demonstration of the pressure dissociation of a dimer. <i>Analytical Biochemistry</i> , 1987 , 161, 358-64	3.1	25
117	Dissecting the role of protein-protein and protein-nucleic acid interactions in MS2 bacteriophage stability. <i>FEBS Journal</i> , 2006 , 273, 1463-75	5.7	24
116	Positive contribution of hydration on DNA binding by E2c protein from papillomavirus. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47968-74	5.4	24
115	The metastable state of nucleocapsids of enveloped viruses as probed by high hydrostatic pressure. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7415-21	5.4	24
114	Local heterogeneity in the pressure denaturation of the coiled-coil tropomyosin because of subdomain folding units. <i>Biochemistry</i> , 2001 , 40, 1300-7	3.2	24
113	Protein folding in the absence of chemical denaturants. Reversible pressure denaturation of the noncovalent complex formed by the association of two protein fragments. <i>Journal of Biological Chemistry</i> , 1999 , 274, 7732-40	5.4	24
112	Oncogenic Gain of Function in Glioblastoma Is Linked to Mutant p53 Amyloid Oligomers. <i>Science</i> , 2020 , 23, 100820	6.1	23
111	Conformational changes in bovine lactoferrin induced by slow or fast temperature increases. <i>Biological Chemistry</i> , 2008 , 389, 1137-42	4.5	23
110	Energy coupling between DNA binding and subunit association is responsible for the specificity of DNA-Arc interaction. <i>Protein Science</i> , 1993 , 2, 945-50	6.3	23
109	Structure of a membrane-binding domain from a non-enveloped animal virus: insights into the mechanism of membrane permeability and cellular entry. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29278-86	5.4	22
108	Tetramerization of the LexA repressor in solution: implications for gene regulation of the E.coli SOS system at acidic pH. <i>Journal of Molecular Biology</i> , 2006 , 359, 1059-74	6.5	22
107	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	0.9	22
106	Aggregation-primed molten globule conformers of the p53 core domain provide potential tools for studying p53C aggregation in cancer. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11374-11387	5.4	22

105	The role of RNA in mammalian prion protein conversion. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012 , 3, 415-28	9.3	21
104	Experimental approaches to the interaction of the prion protein with nucleic acids and glycosaminoglycans: Modulators of the pathogenic conversion. <i>Methods</i> , 2011 , 53, 306-17	4.6	21
103	Protein-RNA interactions and virus stability as probed by the dynamics of tryptophan side chains. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47596-602	5.4	21
102	Cavity defects in the procapsid of bacteriophage P22 and the mechanism of capsid maturation. <i>Journal of Molecular Biology</i> , 1999 , 287, 527-38	6.5	21
101	Anticancer Potential of Resveratrol, Elapachone and Their Analogues. <i>Molecules</i> , 2020 , 25,	4.8	20
100	High-pressure applications in medicine and pharmacology. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S929-S944	1.8	20
99	Role of hydration in the closed-to-open transition involved in Ca ²⁺ binding by troponin C. <i>Biochemistry</i> , 2003 , 42, 5522-30	3.2	20
98	Pathological implications of nucleic acid interactions with proteins associated with neurodegenerative diseases. <i>Biophysical Reviews</i> , 2014 , 6, 97-110	3.7	19
97	Reciprocal remodeling upon binding of the prion protein to its signaling partner hop/STI1. <i>FASEB Journal</i> , 2009 , 23, 4308-16	0.9	19
96	Hydration, cavities and volume in protein folding, aggregation and amyloid assembly. <i>Physical Biology</i> , 2009 , 6, 015002	3	19
95	VP4 protein from human rhinovirus 14 is released by pressure and locked in the capsid by the antiviral compound WIN. <i>Journal of Molecular Biology</i> , 2007 , 366, 295-306	6.5	19
94	RNA modulates aggregation of the recombinant mammalian prion protein by direct interaction. <i>Scientific Reports</i> , 2019 , 9, 12406	4.9	18
93	Pressure-temperature folding landscape in proteins involved in neurodegenerative diseases and cancer. <i>Biophysical Chemistry</i> , 2013 , 183, 9-18	3.5	18
92	Amide hydrogens reveal a temperature-dependent structural transition that enhances site-II Ca-binding affinity in a C-domain mutant of cardiac troponin C. <i>Scientific Reports</i> , 2017 , 7, 691	4.9	18
91	Measuring the strength of interaction between the Ebola fusion peptide and lipid rafts: implications for membrane fusion and virus infection. <i>PLoS ONE</i> , 2011 , 6, e15756	3.7	18
90	Synthesis and anti-prion activity evaluation of aminoquinoline analogues. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 5468-73	6.8	17
89	The structural dynamics of the flavivirus fusion peptide-membrane interaction. <i>PLoS ONE</i> , 2012 , 7, e47596	3.6	17
88	Envelope lipid-packing as a critical factor for the biological activity and stability of alphavirus particles isolated from mammalian and mosquito cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 1730-6	5.4	16

87	Effects of hydrostatic pressure on the <i>Leptospira interrogans</i> : high immunogenicity of the pressure-inactivated serovar hardjo. <i>Vaccine</i> , 2001 , 19, 1511-4	4.1	16
86	Loss of the p53 transactivation domain results in high amyloid aggregation of the Δ 0p53 isoform in endometrial carcinoma cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9430-9439	5.4	15
85	Moniliophthora pernicioso necrosis- and ethylene-inducing protein 2 (MpNep2) as a metastable dimer in solution: structural and functional implications. <i>PLoS ONE</i> , 2012 , 7, e45620	3.7	15
84	The proapoptotic protein Smac/DIABLO dimer has the highest stability as measured by pressure and urea denaturation. <i>Biochemistry</i> , 2008 , 47, 3832-41	3.2	14
83	Different urea stoichiometries between the dissociation and denaturation of tobacco mosaic virus as probed by hydrostatic pressure. <i>Biophysical Chemistry</i> , 2008 , 134, 214-24	3.5	14
82	Pressure-induced fusogenic conformation of vesicular stomatitis virus glycoprotein. <i>Biochemistry</i> , 2003 , 42, 5540-6	3.2	14
81	The Status of p53 Oligomeric and Aggregation States in Cancer. <i>Biomolecules</i> , 2020 , 10,	5.9	14
80	The fusogenic state of Mayaro virus induced by low pH and by hydrostatic pressure. <i>Cell Biochemistry and Biophysics</i> , 2006 , 44, 325-35	3.2	13
79	Mutations in the hydrophobic core and in the protein-RNA interface affect the packing and stability of icosahedral viruses. <i>FEBS Journal</i> , 2003 , 271, 135-145		13
78	The intrinsically disordered C terminus of troponin T binds to troponin C to modulate myocardial force generation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 20054-20069	5.4	13
77	Allosteric Transmission along a Loosely Structured Backbone Allows a Cardiac Troponin C Mutant to Function with Only One Ca Ion. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2379-2394	5.4	12
76	Increase in fatty acids and flotillins upon resveratrol treatment of human breast cancer cells. <i>Scientific Reports</i> , 2019 , 9, 13960	4.9	12
75	Modulation of p53 and prion protein aggregation by RNA. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 933-940	4	12
74	Intramolecular dynamics within the N-Cap-SH3-SH2 regulatory unit of the c-Abl tyrosine kinase reveal targeting to the cellular membrane. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28331-45	5.4	12
73	Inactivation of classical swine fever virus: association of hydrostatic pressure and ultraviolet irradiation. <i>Journal of Virological Methods</i> , 2003 , 108, 205-11	2.6	12
72	On the entry of an emerging arbovirus into host cells: Mayaro virus takes the highway to the cytoplasm through fusion with early endosomes and caveolae-derived vesicles. <i>PeerJ</i> , 2017 , 5, e3245	3.1	12
71	Phase separation of p53 precedes aggregation and is affected by oncogenic mutations and ligands. <i>Chemical Science</i> , 2021 , 12, 7334-7349	9.4	12
70	Fine modulation of the respiratory syncytial virus M2-1 protein quaternary structure by reversible zinc removal from its Cys(3)-His(1) motif. <i>Biochemistry</i> , 2013 , 52, 6779-89	3.2	11

69	Insights into the intramolecular coupling between the N- and C-domains of troponin C derived from high-pressure, fluorescence, nuclear magnetic resonance, and small-angle X-ray scattering studies. <i>Biochemistry</i> , 2013 , 52, 28-40	3.2	11
68	Effects of hydrostatic pressure on the stability and thermostability of poliovirus: a new method for vaccine preservation. <i>Vaccine</i> , 2009 , 27, 5332-7	4.1	11
67	A contribution of the mitochondrial adenosinetriphosphatase inhibitor protein to the thermal stability of the F0F1-ATPase complex. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1997 , 52, 459-65	1.7	11
66	Virus inactivation by anilinonaphthalene sulfonate compounds and comparison with other ligands. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 275, 955-61	3.4	11
65	Microscopy analysis of Zika virus morphogenesis in mammalian cells. <i>Scientific Reports</i> , 2020 , 10, 8370	4.9	10
64	Recent Synthetic Approaches towards Small Molecule Reactivators of p53. <i>Biomolecules</i> , 2020 , 10,	5.9	10
63	Antifungal activity using medicinal plant extracts against pathogens of coffee tree. <i>Revista Brasileira De Plantas Medicinai</i> s, 2014 , 16, 539-544		10
62	Enhanced prion protein stability coupled to DNA recognition and milieu acidification. <i>Biophysical Chemistry</i> , 2009 , 141, 135-9	3.5	10
61	Free-energy linkage between folding and calcium binding in EF-hand proteins. <i>Biophysical Journal</i> , 2008 , 95, 4820-8	2.9	10
60	Volume and free energy of folding for troponin C C-domain: linkage to ion binding and N-domain interaction. <i>Biochemistry</i> , 2008 , 47, 5047-58	3.2	10
59	Effects of high pressure and temperature on the wild-type and F29W mutant forms of the N-domain of avian troponin C. <i>BBA - Proteins and Proteomics</i> , 1999 , 1431, 53-63		10
58	Prion protein-coated magnetic beads: synthesis, characterization and development of a new ligands screening method. <i>Journal of Chromatography A</i> , 2015 , 1379, 1-8	4.5	9
57	Biophysical and morphological studies on the dual interaction of non-octarepeat prion protein peptides with copper and nucleic acids. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 839-51	3.7	9
56	Constitutive expression of IL-2Rbeta chain and its effects on IL-2-induced vascular leak syndrome. <i>Cytokine</i> , 2005 , 32, 280-6	4	9
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