

# Jerson L Silva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nucleic acid actions on abnormal protein aggregation, phase transitions and phase separation.. <i>Current Opinion in Structural Biology</i> , <b>2022</b> , 73, 102346	8.1	0
211	Yellow fever vaccine protects mice against Zika virus infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009907	4.8	0
210	Prion protein complexed to a DNA aptamer induce behavioral and synapse dysfunction in mice. <i>Behavioural Brain Research</i> , <b>2021</b> , 419, 113680	3.4	0
209	Polyclonal F(ab') fragments of equine antibodies raised against the spike protein neutralize SARS-CoV-2 variants with high potency. <i>iScience</i> , <b>2021</b> , 24, 103315	6.1	4
208	The interplay between a GC-rich oligonucleotide and copper ions on prion protein conformational and phase transitions. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 173, 34-43	7.9	6
207	Inactivation of avian influenza viruses by hydrostatic pressure as a potential vaccine development approach. <i>Access Microbiology</i> , <b>2021</b> , 3, 000220	1	
206	Rabbit PrP Is Partially Resistant to Aggregation Induced by Different Biological Cofactors. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 689315	5.1	2
205	Process intensification for the production of yellow fever virus-like particles as potential recombinant vaccine antigen. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 3581-3592	4.9	0
204	Exploring the polymorphism, conformational dynamics and function of amyloidogenic peptides and proteins by temperature and pressure modulation. <i>Biophysical Chemistry</i> , <b>2021</b> , 268, 106506	3.5	7
203	Phase separation of p53 precedes aggregation and is affected by oncogenic mutations and ligands. <i>Chemical Science</i> , <b>2021</b> , 12, 7334-7349	9.4	12
202	Anomalous structural dynamics of minimally frustrated residues in cardiac troponin C triggers hypertrophic cardiomyopathy. <i>Chemical Science</i> , <b>2021</b> , 12, 7308-7323	9.4	1
201	Effects of lycopene from guava (L.) derived products on breast cancer cells. <i>Natural Product Research</i> , <b>2021</b> , 1-4	2.3	2
200	Cryo-EM to visualize the structural organization of viruses. <i>Current Opinion in Virology</i> , <b>2021</b> , 49, 86-91	7.5	0
199	Pro-Oxidant Effect of Resveratrol on Human Breast Cancer MCF-7 Cells is Associated with CK2 Inhibition. <i>Nutrition and Cancer</i> , <b>2021</b> , 1-10	2.8	1
198	Microscopy analysis of Zika virus morphogenesis in mammalian cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 8370	4.9	10
197	Resveratrol Modifies Lipid Composition of Two Cancer Cell Lines. <i>BioMed Research International</i> , <b>2020</b> , 2020, 5393041	3	2
196	Anticancer Potential of Resveratrol, Elapachone and Their Analogues. <i>Molecules</i> , <b>2020</b> , 25,	4.8	20

195	Oncogenic Gain of Function in Glioblastoma Is Linked to Mutant p53 Amyloid Oligomers. <i>IScience</i> , <b>2020</b> , 23, 100820	6.1	23
194	Recent Synthetic Approaches towards Small Molecule Reactivators of p53. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	10
193	Agathisflavone, a Biflavonoid from <i>Anacardium occidentale</i> L., Inhibits Influenza Virus Neuraminidase. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 111-120	3	6
192	Biophysical characterization of p53 core domain aggregates. <i>Biochemical Journal</i> , <b>2020</b> , 477, 111-120	3.8	9
191	Liquid-liquid phase separation and fibrillation of the prion protein modulated by a high-affinity DNA aptamer. <i>FASEB Journal</i> , <b>2020</b> , 34, 365-385	0.9	22
190	Resveratrol, Curcumin and Piperine Alter Human Glyoxalase 1 in MCF-7 Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
189	Bioactive Compounds and Metabolites from Grapes and Red Wine in Breast Cancer Chemoprevention and Therapy. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
188	Second-Generation RT-QuIC Assay for the Diagnosis of Creutzfeldt-Jakob Disease Patients in Brazil. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 929	5.8	4
187	The Status of p53 Oligomeric and Aggregation States in Cancer. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	14
186	RNA modulates aggregation of the recombinant mammalian prion protein by direct interaction. <i>Scientific Reports</i> , <b>2019</b> , 9, 12406	4.9	18
185	Increase in fatty acids and flotillins upon resveratrol treatment of human breast cancer cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 13960	4.9	12
184	Green Tea Extract ( <i>Camellia sinensis</i> ) as a Potential Antitumoral Agent on Breast Cancer Cells (FS13-04-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
183	Loss of the p53 transactivation domain results in high amyloid aggregation of the $\Delta$ p53 isoform in endometrial carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 9430-9439	5.4	15
182	Modulation of p53 and prion protein aggregation by RNA. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2019</b> , 1867, 933-940	4	12
181	High pressure studies on the misfolding and aggregation of p53 in cancer and of $\beta$ -synuclein in Parkinson's disease. <i>High Pressure Research</i> , <b>2019</b> , 39, 193-201	1.6	2
180	Alpha-synuclein stepwise aggregation reveals features of an early onset mutation in Parkinson's disease. <i>Communications Biology</i> , <b>2019</b> , 2, 374	6.7	41
179	Liquid-liquid phase transitions and amyloid aggregation in proteins related to cancer and neurodegenerative diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2019</b> , 118, 289-331	5.3	28
178	The intrinsically disordered C terminus of troponin T binds to troponin C to modulate myocardial force generation. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 20054-20069	5.4	13

177	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> , <b>2019</b> , 294, 3670-3682	5.4	35
176	Methods to Screen Compounds Against Mutant p53 Misfolding and Aggregation for Cancer Therapeutics. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1873, 265-277	1.4	0
175	In Vitro Prion Amplification Methodology for Inhibitor Screening. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1873, 305-316	1.4	2
174	Targeting the Prion-like Aggregation of Mutant p53 to Combat Cancer. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 181-190	24.3	52
173	Resveratrol prevents p53 aggregation and in breast cancer cells. <i>Oncotarget</i> , <b>2018</b> , 9, 29112-29122	3.3	36
172	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> , <b>2018</b> , 293, 11374-11387	5.4	22
171	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> , <b>2017</b> , 292, 2379-2394	5.4	12
170	Distinct modulatory role of RNA in the aggregation of the tumor suppressor protein p53 core domain. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 9345-9357	5.4	33
169	Stability of different influenza subtypes: How can high hydrostatic pressure be a useful tool for vaccine development?. <i>Biophysical Chemistry</i> , <b>2017</b> , 231, 116-124	3.5	4
168	The push-and-pull hypothesis in protein unfolding, misfolding and aggregation. <i>Biophysical Chemistry</i> , <b>2017</b> , 231, 20-26	3.5	6
167	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> , <b>2017</b> , 7, 691	4.9	18
166	Cancer Chemoprevention by Resveratrol: The p53 Tumor Suppressor Protein as a Promising Molecular Target. <i>Molecules</i> , <b>2017</b> , 22,	4.8	38
165	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> , <b>2017</b> , 5, e3245	3.1	12
164	Backbone resonance assignments of the human p73 DNA binding domain. <i>Biomolecular NMR Assignments</i> , <b>2016</b> , 10, 49-51	0.7	1
163	Regulation of Amyloid Oligomer Binding to Neurons and Neurotoxicity by the Prion Protein-mGluR5 Complex. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 21945-21955	5.4	40
162	Aggregation and Prion-Like Properties of Misfolded Tumor Suppressors: Is Cancer a Prion Disease?. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2016</b> , 8,	10.2	41
161	The "Jekyll and Hyde" Actions of Nucleic Acids on the Prion-like Aggregation of Proteins. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 15482-90	5.4	41
160	Aggregation tendencies in the p53 family are modulated by backbone hydrogen bonds. <i>Scientific Reports</i> , <b>2016</b> , 6, 32535	4.9	34

159	A biophysical characterization of the interaction of a hepatitis C virus membranotropic peptide with micelles. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2016</b> , 1864, 359-71	4	4
158	Charge neutralization as the major factor for the assembly of nucleocapsid-like particles from C-terminal truncated hepatitis C virus core protein. <i>PeerJ</i> , <b>2016</b> , 4, e2670	3.1	4
157	Structural basis for the dissociation of $\beta$ -synuclein fibrils triggered by pressure perturbation of the hydrophobic core. <i>Scientific Reports</i> , <b>2016</b> , 6, 37990	4.9	27
156	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> , <b>2015</b> , 112, E2775-84	11.5	68
155	Prion protein-coated magnetic beads: synthesis, characterization and development of a new ligands screening method. <i>Journal of Chromatography A</i> , <b>2015</b> , 1379, 1-8	4.5	9
154	Intranasal Immunization with Pressure Inactivated Avian Influenza Elicits Cellular and Humoral Responses in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128785	3.7	8
153	Misfolding, Aggregation, and Disordered Segments in c-Abl and p53 in Human Cancer. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 97	5.3	29
152	Structural insights into the stabilization of the human immunodeficiency virus type 1 capsid protein by the cyclophilin-binding domain and implications on the virus cycle. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2015</b> , 1854, 341-8	4	3
151	Pressure-Inactivated Virus: A Promising Alternative for Vaccine Production. <i>Sub-Cellular Biochemistry</i> , <b>2015</b> , 72, 301-18	5.5	4
150	Understanding the p53 Aggregation Process through its Activators Resveratrol and PRIMA-1. <i>FASEB Journal</i> , <b>2015</b> , 29, LB151	0.9	0
149	The Effect of High Hydrostatic Pressure on $\beta$ -Synuclein Fibrils Probed by NMR. <i>FASEB Journal</i> , <b>2015</b> , 29, LB218	0.9	
148	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> , <b>2014</b> , 19, 839-51	3.7	9
147	Prion-like aggregation of mutant p53 in cancer. <i>Trends in Biochemical Sciences</i> , <b>2014</b> , 39, 260-7	10.3	126
146	The aggregation of mutant p53 produces prion-like properties in cancer. <i>Prion</i> , <b>2014</b> , 8, 75-84	2.3	62
145	High-pressure chemical biology and biotechnology. <i>Chemical Reviews</i> , <b>2014</b> , 114, 7239-67	68.1	135
144	Heparin binding confers prion stability and impairs its aggregation. <i>FASEB Journal</i> , <b>2014</b> , 28, 2667-76	0.9	50
143	Antifungal activity using medicinal plant extracts against pathogens of coffee tree. <i>Revista Brasileira De Plantas Mediciniais</i> , <b>2014</b> , 16, 539-544		10
142	Inhibition of Mayaro virus infection by bovine lactoferrin. <i>Virology</i> , <b>2014</b> , 452-453, 297-302	3.6	27

141	Pathological implications of nucleic acid interactions with proteins associated with neurodegenerative diseases. <i>Biophysical Reviews</i> , <b>2014</b> , 6, 97-110	3.7	19
140	p53 Aggregation and prionoid effect and the modulation of this process by PRIMA-1 and its active metabolite, 2-methylene-3-quinuclidinone hydrate (754.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 754.4	0.9	2
139	Resveratrol prevents p53 core domain aggregation (754.1). <i>FASEB Journal</i> , <b>2014</b> , 28, 754.1	0.9	1
138	Chemopreventive effects of resveratrol derivatives on breast cancer cells (1011.5). <i>FASEB Journal</i> , <b>2014</b> , 28, 1011.5	0.9	
137	Pressure-temperature folding landscape in proteins involved in neurodegenerative diseases and cancer. <i>Biophysical Chemistry</i> , <b>2013</b> , 183, 9-18	3.5	18
136	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> , <b>2013</b> , 52, 6779-89	3.2	11
135	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> , <b>2013</b> , 52, 28-40	3.2	11
134	Expanding the prion concept to cancer biology: dominant-negative effect of aggregates of mutant p53 tumour suppressor. <i>Bioscience Reports</i> , <b>2013</b> , 33,	4.1	41
133	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> , <b>2013</b> , 288, 28331-45	5.4	12
132	Full inactivation of human influenza virus by high hydrostatic pressure preserves virus structure and membrane fusion while conferring protection to mice against infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e80785	3.7	8
131	Mice Vaccination with High Hydrostatic Pressure-Inactivated H3N8 Virus Protects Against Experimental Avian Flu. <i>Procedia in Vaccinology</i> , <b>2012</b> , 6, 98-105		5
130	Moniliophthora perniciosa necrosis- and ethylene-inducing protein 2 (MpNep2) as a metastable dimer in solution: structural and functional implications. <i>PLoS ONE</i> , <b>2012</b> , 7, e45620	3.7	15
129	Transient transfection of a wild-type p53 gene triggers resveratrol-induced apoptosis in cancer cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e48746	3.7	28
128	The role of RNA in mammalian prion protein conversion. <i>Wiley Interdisciplinary Reviews RNA</i> , <b>2012</b> , 3, 415-28	9.3	21
127	Resveratrol chemosensitizes breast cancer cells to melphalan by cell cycle arrest. <i>Journal of Cellular Biochemistry</i> , <b>2012</b> , 113, 2586-96	4.7	60
126	Nonspecific prion protein-nucleic acid interactions lead to different aggregates and cytotoxic species. <i>Biochemistry</i> , <b>2012</b> , 51, 5402-13	3.2	48
125	Mutant p53 aggregates into prion-like amyloid oligomers and fibrils: implications for cancer. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 28152-62	5.4	167
124	The structural dynamics of the flavivirus fusion peptide-membrane interaction. <i>PLoS ONE</i> , <b>2012</b> , 7, e47596	3.7	17

123	Co-localization of mutant p53 and amyloid-like protein aggregates in breast tumors. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2011</b> , 43, 60-4	5.6	85
122	The anti-Parkinsonian drug selegiline delays the nucleation phase of $\beta$ -synuclein aggregation leading to the formation of nontoxic species. <i>Journal of Molecular Biology</i> , <b>2011</b> , 405, 254-73	6.5	68
121	Experimental approaches to the interaction of the prion protein with nucleic acids and glycosaminoglycans: Modulators of the pathogenic conversion. <i>Methods</i> , <b>2011</b> , 53, 306-17	4.6	21
120	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> , <b>2011</b> , 133, 334-44	16.4	54
119	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> , <b>2011</b> , 286, 1730-6	5.4	16
118	Measuring the strength of interaction between the Ebola fusion peptide and lipid rafts: implications for membrane fusion and virus infection. <i>PLoS ONE</i> , <b>2011</b> , 6, e15756	3.7	18
117	PrP interactions with nucleic acids and glycosaminoglycans in function and disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2010</b> , 15, 132-50	2.8	27
116	Positive response to imatinib mesylate therapy for childhood chronic myeloid leukemia. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2010</b> , 43, 580-4	2.8	0
115	The p53 core domain is a molten globule at low pH: functional implications of a partially unfolded structure. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 2857-66	5.4	46
114	Ligand binding and hydration in protein misfolding: insights from studies of prion and p53 tumor suppressor proteins. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 271-9	24.3	90
113	Conformational selection, dynamic restriction and the hydrophobic effect coupled to stabilization of the BIR3 domain of the human X-linked inhibitor of apoptosis protein by the tetrapeptide AVPI. <i>Biophysical Chemistry</i> , <b>2010</b> , 152, 99-108	3.5	4
112	Synthesis and anti-prion activity evaluation of aminoquinoline analogues. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 5468-73	6.8	17
111	Reciprocal remodeling upon binding of the prion protein to its signaling partner hop/STI1. <i>FASEB Journal</i> , <b>2009</b> , 23, 4308-16	0.9	19
110	Response to Radulescu and Brenig: Infectious nucleic acids in prion disease: halfway there. <i>Trends in Biochemical Sciences</i> , <b>2009</b> , 34, 5-6	10.3	2
109	Enhanced prion protein stability coupled to DNA recognition and milieu acidification. <i>Biophysical Chemistry</i> , <b>2009</b> , 141, 135-9	3.5	10
108	Cognate DNA stabilizes the tumor suppressor p53 and prevents misfolding and aggregation. <i>Biochemistry</i> , <b>2009</b> , 48, 6126-35	3.2	47
107	Effects of hydrostatic pressure on the stability and thermostability of poliovirus: a new method for vaccine preservation. <i>Vaccine</i> , <b>2009</b> , 27, 5332-7	4.1	11
106	Hydration, cavities and volume in protein folding, aggregation and amyloid assembly. <i>Physical Biology</i> , <b>2009</b> , 6, 015002	3	19

105	Pressure-inactivated yellow fever 17DD virus: implications for vaccine development. <i>Journal of Virological Methods</i> , <b>2008</b> , 150, 57-62	2.6	46
104	Intriguing nucleic-acid-binding features of mammalian prion protein. <i>Trends in Biochemical Sciences</i> , <b>2008</b> , 33, 132-40	10.3	90
103	Free-energy linkage between folding and calcium binding in EF-hand proteins. <i>Biophysical Journal</i> , <b>2008</b> , 95, 4820-8	2.9	10
102	Volume and free energy of folding for troponin C C-domain: linkage to ion binding and N-domain interaction. <i>Biochemistry</i> , <b>2008</b> , 47, 5047-58	3.2	10
101	The proapoptotic protein Smac/DIABLO dimer has the highest stability as measured by pressure and urea denaturation. <i>Biochemistry</i> , <b>2008</b> , 47, 3832-41	3.2	14
100	The peculiar interaction between mammalian prion protein and RNA. <i>Prion</i> , <b>2008</b> , 2, 64-6	2.3	25
99	Conformational changes in bovine lactoferrin induced by slow or fast temperature increases. <i>Biological Chemistry</i> , <b>2008</b> , 389, 1137-42	4.5	23
98	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> , <b>2008</b> , 283, 19616-25	5.4	70
97	Different urea stoichiometries between the dissociation and denaturation of tobacco mosaic virus as probed by hydrostatic pressure. <i>Biophysical Chemistry</i> , <b>2008</b> , 134, 214-24	3.5	14
96	Conformational changes in bovine lactoferrin induced by slow or fast temperature increases. <i>Biological Chemistry</i> , <b>2008</b> , 080808065251582-16	4.5	
95	Dopamine affects the stability, hydration, and packing of protofibrils and fibrils of the wild type and variants of alpha-synuclein. <i>Biochemistry</i> , <b>2007</b> , 46, 472-82	3.2	43
94	Structure of the Ebola fusion peptide in a membrane-mimetic environment and the interaction with lipid rafts. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 27306-27314	5.4	38
93	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> , <b>2007</b> , 366, 295-306	6.5	19
92	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> , <b>2006</b> , 281, 29278-86	5.4	22
91	Fourier transform infrared spectroscopy provides a fingerprint for the tetramer and for the aggregates of transthyretin. <i>Biophysical Journal</i> , <b>2006</b> , 91, 957-67	2.9	36
90	Structural insights into the interaction between prion protein and nucleic acid. <i>Biochemistry</i> , <b>2006</b> , 45, 9180-7	3.2	67
89	Ca(2+) and Mg(2+) binding to weak sites of TnC C-domain induces exposure of a large hydrophobic surface that leads to loss of TnC from the thin filament. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 110-22	5.6	7
88	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> , <b>2006</b> , 359, 1059-74	6.5	22



87	Dissecting the role of protein-protein and protein-nucleic acid interactions in MS2 bacteriophage stability. <i>FEBS Journal</i> , <b>2006</b> , 273, 1463-75	5.7	24
86	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> , <b>2006</b> , 1764, 443-51 <sup>4</sup>		37
85	The fusogenic state of Mayaro virus induced by low pH and by hydrostatic pressure. <i>Cell Biochemistry and Biophysics</i> , <b>2006</b> , 44, 325-35	3.2	13
84	Constitutive expression of IL-2Rbeta chain and its effects on IL-2-induced vascular leak syndrome. <i>Cytokine</i> , <b>2005</b> , 32, 280-6	4	9
83	The amino-terminal PrP domain is crucial to modulate prion misfolding and aggregation. <i>Biophysical Journal</i> , <b>2005</b> , 89, 2667-76	2.9	56
82	The hypothesis of the catalytic action of nucleic acid on the conversion of prion protein. <i>Protein and Peptide Letters</i> , <b>2005</b> , 12, 251-5	1.9	29
81	Controlling {beta}-amyloid oligomerization by the use of naphthalene sulfonates: trapping low molecular weight oligomeric species. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 34747-54	5.4	56
80	Volume and energy folding landscape of prion protein revealed by pressure. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2005</b> , 38, 1195-201	2.8	9
79	High-pressure applications in medicine and pharmacology. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S929-S944	1.8	20
78	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> , <b>2004</b> , 279, 5346-52 <sup>5,4</sup>		47
77	Positive contribution of hydration on DNA binding by E2c protein from papillomavirus. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 47968-74	5.4	24
76	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> , <b>2004</b> , 279, 32354-9	5.4	86
75	Reversible aggregation plays a crucial role on the folding landscape of p53 core domain. <i>Biophysical Journal</i> , <b>2004</b> , 87, 2691-700	2.9	42
74	Pressure-inactivated FMDV: a potential vaccine. <i>Vaccine</i> , <b>2004</b> , 22, 2334-9	4.1	31
73	New insights into the mechanisms of protein misfolding and aggregation in amyloidogenic diseases derived from pressure studies. <i>Biochemistry</i> , <b>2004</b> , 43, 11361-70	3.2	86
72	Mutations in the hydrophobic core and in the protein-RNA interface affect the packing and stability of icosahedral viruses. <i>FEBS Journal</i> , <b>2004</b> , 271, 135-45		4
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1	Liquid-liquid phase separation and aggregation of the prion protein globular domain modulated by a high-affinity DNA aptamer		1