

## List of Publications by Citations

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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.

273 papers	6,453 citations	42 h-index	61 g-index
279 ext. papers	7,597 ext. citations	4.3 avg, IF	6.14 L-index

#	Paper	IF	Citations
273	The SARS Coronavirus 3a protein causes endoplasmic reticulum stress and induces ligand-independent downregulation of the type 1 interferon receptor. <i>PLoS ONE</i> , <b>2009</b> , 4, e8342	3.7	168
272	Zinc alpha 2-glycoprotein: a multidisciplinary protein. <i>Molecular Cancer Research</i> , <b>2008</b> , 6, 892-906	6.6	167
271	Structure, function and applications of carbonic anhydrase isozymes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 1570-82	3.4	163
270	Luminol-based chemiluminescent signals: clinical and non-clinical application and future uses. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 173, 333-55	3.2	158
269	A review of methods available to estimate solvent-accessible surface areas of soluble proteins in the folded and unfolded states. <i>Current Protein and Peptide Science</i> , <b>2014</b> , 15, 456-76	2.8	98
268	Formation of the molten globule-like state during prolonged glycation of human serum albumin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2007</b> , 1770, 933-42	4	96
267	Naturally occurring organic osmolytes: from cell physiology to disease prevention. <i>IUBMB Life</i> , <b>2010</b> , 62, 891-5	4.7	92
266	Counteracting osmolyte trimethylamine N-oxide destabilizes proteins at pH below its pKa. Measurements of thermodynamic parameters of proteins in the presence and absence of trimethylamine N-oxide. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 11035-42	5.4	91
265	The role of key residues in structure, function, and stability of cytochrome-c. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 229-55	10.3	88
264	Protein aggregation and neurodegenerative diseases: From theory to therapy. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 124, 1105-1120	6.8	88
263	Effect of polyol osmolytes on DeltaG(D), the Gibbs energy of stabilisation of proteins at different pH values. <i>Biophysical Chemistry</i> , <b>2005</b> , 117, 1-12	3.5	85
262	Compatibility of osmolytes with Gibbs energy of stabilization of proteins. <i>BBA - Proteins and Proteomics</i> , <b>2000</b> , 1476, 75-84		81
261	Elucidation of Dietary Polyphenolics as Potential Inhibitor of Microtubule Affinity Regulating Kinase 4: In silico and In vitro Studies. <i>Scientific Reports</i> , <b>2017</b> , 7, 9470	4.9	78
260	Identification and evaluation of bioactive natural products as potential inhibitors of human microtubule affinity-regulating kinase 4 (MARK4). <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 1813-1829	3.6	77
259	A new method for the determination of stability parameters of proteins from their heat-induced denaturation curves. <i>Analytical Biochemistry</i> , <b>2000</b> , 283, 207-13	3.1	74
258	Influence of temperature on the intrinsic viscosities of proteins in random coil conformation. <i>Biochemistry</i> , <b>1974</b> , 13, 245-9	3.2	73
257	Protein and DNA destabilization by osmolytes: the other side of the coin. <i>Life Sciences</i> , <b>2011</b> , 88, 117-25	6.8	71

256	Large scale analysis of the mutational landscape in $\beta$ -glucuronidase: A major player of mucopolysaccharidosis type VII. <i>Gene</i> , <b>2016</b> , 576, 36-44	3.8	67
255	Microtubule affinity-regulating kinase 4: structure, function, and regulation. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 67, 485-99	3.2	67
254	Effect of monomeric and oligomeric sugar osmolytes on DeltaGD, the Gibbs energy of stabilization of the protein at different pH values: is the sum effect of monosaccharide individually additive in a mixture?. <i>Biophysical Chemistry</i> , <b>2008</b> , 138, 120-9	3.5	65
253	Investigation of molecular mechanism of recognition between citral and MARK4: A newer therapeutic approach to attenuate cancer cell progression. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2580-2589	7.9	64
252	Size-dependent studies of macromolecular crowding on the thermodynamic stability, structure and functional activity of proteins: in vitro and in silico approaches. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 178-197	4	63
251	Enzymatic digestion and antioxidant activity of the native and molten globule states of camel $\beta$ -lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , <b>2009</b> , 19, 518-523	3.5	63
250	Protein stability: urea-induced versus guanidine-induced unfolding of metmyoglobin. <i>Biochemistry</i> , <b>1996</b> , 35, 11925-30	3.2	62
249	Functional annotation of conserved hypothetical proteins from Haemophilus influenzae Rd KW20. <i>PLoS ONE</i> , <b>2013</b> , 8, e84263	3.7	59
248	Curcumin specifically binds to the human calcium-calmodulin-dependent protein kinase IV: fluorescence and molecular dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 572-84	3.6	58
247	Role of N-terminal residues on folding and stability of C-phycoerythrin: simulation and urea-induced denaturation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 121-33	3.6	53
246	Purification and characterization of a trypsin inhibitor from Putranjiva roxburghii seeds. <i>Phytochemistry</i> , <b>2008</b> , 69, 2120-6	4	53
245	Binding studies and biological evaluation of $\beta$ -carotene as a potential inhibitor of human calcium/calmodulin-dependent protein kinase IV. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 96, 161-170	7.9	52
244	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , <b>2020</b> , 10, 10300	4.9	51
243	Reversible unfolding of the major fraction of ovalbumin by guanidine hydrochloride. <i>Biochemistry</i> , <b>1976</b> , 15, 5168-75	3.2	50
242	Investigation of inhibitory potential of quercetin to the pyruvate dehydrogenase kinase 3: Towards implications in anticancer therapy. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 1076-1085	7.9	49
241	Glycine betaine may have opposite effects on protein stability at high and low pH values. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2009</b> , 1794, 929-35	4	49
240	Protein stability: functional dependence of denaturational Gibbs energy on urea concentration. <i>Biochemistry</i> , <b>1999</b> , 38, 2471-9	3.2	49
239	Thermodynamics of the denaturation of pepsinogen by urea. <i>Biochemistry</i> , <b>1978</b> , 17, 241-6	3.2	49

238	High throughput screening, docking, and molecular dynamics studies to identify potential inhibitors of human calcium/calmodulin-dependent protein kinase IV. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 2179-2192	3.6	46
237	Design, synthesis, and biological evaluation of a new palladium(II) complex: beta-lactoglobulin and K562 as targets. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 3639-47	3.4	45
236	Human $\beta$ -glucuronidase: structure, function, and application in enzyme replacement therapy. <i>Rejuvenation Research</i> , <b>2013</b> , 16, 352-63	2.6	43
235	Structural characterization of MG and pre-MG states of proteins by MD simulations, NMR, and other techniques. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 2267-84	3.6	43
234	Conformational and thermodynamic characterization of the molten globule state occurring during unfolding of cytochromes-c by weak salt denaturants. <i>Biochemistry</i> , <b>2003</b> , 42, 1684-95	3.2	43
233	Therapeutic progress in amyotrophic lateral sclerosis-beginning to learning. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 121, 903-917	6.8	43
232	Virtual Screening Approach to Identify High-Affinity Inhibitors of Serum and Glucocorticoid-Regulated Kinase 1 among Bioactive Natural Products: Combined Molecular Docking and Simulation Studies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	42
231	Calcium/calmodulin-dependent protein kinase IV: A multifunctional enzyme and potential therapeutic target. <i>Progress in Biophysics and Molecular Biology</i> , <b>2016</b> , 121, 54-65	4.7	42
230	Spectroscopic studies of the effects of glycation of human serum albumin on L-Trp binding. <i>Protein and Peptide Letters</i> , <b>2007</b> , 14, 13-8	1.9	42
229	Molecular mechanism of Ras-related protein Rab-5A and effect of mutations in the catalytically active phosphate-binding loop. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 105-118	3.6	41
228	Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 278-85	7.9	41
227	Relationship between functional activity and protein stability in the presence of all classes of stabilizing osmolytes. <i>FEBS Journal</i> , <b>2009</b> , 276, 6024-32	5.7	40
226	Role of non-compatible osmolytes in the stabilization of proteins during heat stress. <i>Biochemical Journal</i> , <b>1998</b> , 329 ( Pt 1), 137-43	3.8	40
225	Biological Evaluation of a New Synthesized Pt(II) Complex by Cytotoxic and Spectroscopic Studies. <i>Cell Biochemistry and Biophysics</i> , <b>2015</b> , 71, 1415-24	3.2	39
224	Designing New Kinase Inhibitor Derivatives as Therapeutics Against Common Complex Diseases: Structural Basis of Microtubule Affinity-Regulating Kinase 4 (MARK4) Inhibition. <i>OMICS A Journal of Integrative Biology</i> , <b>2015</b> , 19, 700-11	3.8	39
223	Comparative analysis of naturally occurring L-amino acid osmolytes and their D-isomers on protection of Escherichia coli against environmental stresses. <i>Journal of Biosciences</i> , <b>2002</b> , 27, 515-20	2.3	39
222	Stability of proteins in the presence of polyols estimated from their guanidinium chloride-induced transition curves at different pH values and 25 degrees C. <i>Biophysical Chemistry</i> , <b>2006</b> , 119, 224-33	3.5	38
221	Estimation of the stability of globular proteins. <i>Biopolymers</i> , <b>1986</b> , 25, 1623-1633	2.2	38

220	Functional annotation of putative hypothetical proteins from <i>Candida dubliniensis</i> . <i>Gene</i> , <b>2014</b> , 543, 93-100	3.8	37
219	Structural and functional analysis of human prostatic acid phosphatase. <i>Expert Review of Anticancer Therapy</i> , <b>2010</b> , 10, 1055-68	3.5	37
218	Evidence of vanillin binding to CAMKIV explains the anti-cancer mechanism in human hepatic carcinoma and neuroblastoma cells. <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 438, 35-45	4.2	36
217	Protein-protein interactions: principles, techniques, and their potential role in new drug development. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2011</b> , 28, 929-38	3.6	36
216	Structure and function of von Willebrand factor. <i>Blood Coagulation and Fibrinolysis</i> , <b>2012</b> , 23, 11-22	1	36
215	Testing the paradigm that the denaturing effect of urea on protein stability is offset by methylamines at the physiological concentration ratio of 2:1 (urea:methylamines). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2007</b> , 1774, 1555-62	4	36
214	Spectroscopic, calorimetric and molecular docking insight into the interaction of Alzheimer's drug donepezil with human transferrin: implications of Alzheimer's drug. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 1094-1102	3.6	36
213	A single mutation induces molten globule formation and a drastic destabilization of wild-type cytochrome c at pH 6.0. <i>Journal of Biological Inorganic Chemistry</i> , <b>2009</b> , 14, 751-60	3.7	35
212	Interaction of DNA minor groove binder Hoechst 33258 with bovine serum albumin. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2009</b> , 57, 481-6	1.9	34
211	Testing polyols compatibility with Gibbs energy of stabilization of proteins under conditions in which they behave as compatible osmolytes. <i>FEBS Letters</i> , <b>2005</b> , 579, 3891-8	3.8	33
210	A unique molten globule state occurs during unfolding of cytochrome c by LiClO <sub>4</sub> near physiological pH and temperature: structural and thermodynamic characterization. <i>Biochemistry</i> , <b>2006</b> , 45, 4695-702	3.2	33
209	Relationship between protein stability and functional activity in the presence of macromolecular crowding agents alone and in mixture: An insight into stability-activity trade-off. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 584, 42-50	4.1	32
208	Structure guided design of potential inhibitors of human calcium-calmodulin dependent protein kinase IV containing pyrimidine scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 782-788	2.9	32
207	Structural Analysis and Conformational Dynamics of Gene Mutations Involved in Coat Plus Syndrome. <i>Frontiers in Molecular Biosciences</i> , <b>2019</b> , 6, 41	5.6	31
206	Identification of functional candidates amongst hypothetical proteins of <i>Treponema pallidum</i> ssp. <i>pallidum</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0124177	3.7	31
205	Probing the interaction of Rivastigmine Tartrate, an important Alzheimer's drug, with serum albumin: Attempting treatment of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 533-542	7.9	30
204	Structural diversity of class I MHC-like molecules and its implications in binding specificities. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2011</b> , 83, 223-70	5.3	30
203	Progastriscin: structure, function, and its role in tumor progression. <i>Journal of Molecular Cell Biology</i> , <b>2010</b> , 2, 118-27	6.3	30

202	Equilibrium studies of the effect of difference in sequence homology on the mechanism of denaturation of bovine and horse cytochromes-c. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2003</b> , 1646, 49-56	4	30
201	The denaturation of ribonuclease A by combinations of urea and salt denaturants. <i>Journal of Molecular Biology</i> , <b>1979</b> , 131, 607-17	6.5	30
200	Protein aggregation, misfolding and consequential human neurodegenerative diseases. <i>International Journal of Neuroscience</i> , <b>2017</b> , 127, 1047-1057	2	29
199	In vitro and in silico studies of urea-induced denaturation of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25 °C. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 1493-502	3.6	29
198	Exploring molecular insights into the interaction mechanism of cholesterol derivatives with the Mce4A: A combined spectroscopic and molecular dynamic simulation studies. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 548-560	7.9	29
197	Effect of pH on the structure, function, and stability of human calcium/calmodulin-dependent protein kinase IV: combined spectroscopic and MD simulation studies. <i>Biochemistry and Cell Biology</i> , <b>2016</b> , 94, 221-8	3.6	28
196	Thermal Stabilization of Proteins by Mono- and Oligosaccharides: Measurement and Analysis in the Context of an Excluded Volume Model. <i>Biochemistry</i> , <b>2015</b> , 54, 3594-603	3.2	27
195	Comparative Studies on the Interaction Between Bovine $\beta$ -lacto-globulin Type A and B and a New Designed Pd(II) Complex with Anti-tumor Activity at Different Temperatures. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2009</b> , 26, 587-597	3.6	27
194	Macromolecular crowding induces molten globule state in the native myoglobin at physiological pH. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 130-139	7.9	27
193	Design and synthesis of a novel class of carbonic anhydrase-IX inhibitor 1-(3-(phenyl/4-fluorophenyl)-7-imino-3H-[1,2,3]triazolo[4,5d]pyrimidin 6(7H)yl)urea. <i>Journal of Molecular Graphics and Modelling</i> , <b>2016</b> , 64, 101-109	2.8	26
192	Conformational and thermodynamic characterization of the premolten globule state occurring during unfolding of the molten globule state of cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , <b>2010</b> , 15, 1319-29	3.7	26
191	Thermodynamic stability of proteins in salt solutions: A comparison of the effectiveness of protein stabilizers. <i>The Protein Journal</i> , <b>1986</b> , 5, 355-367		26
190	First evidence of formation of pre-molten globule state in myoglobin: A macromolecular crowding approach towards protein folding in vivo. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 126, 1288-1294	7.9	26
189	PKR-inhibitor binds efficiently with human microtubule affinity-regulating kinase 4. <i>Journal of Molecular Graphics and Modelling</i> , <b>2015</b> , 62, 245-252	2.8	25
188	Effect of sequential deletion of extra N-terminal residues on the structure and stability of yeast iso-1-cytochrome-c. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2014</b> , 32, 2005-16	3.6	25
187	Investigation of deleterious effects of nsSNPs in the POT1 gene: a structural genomics-based approach to understand the mechanism of cancer development. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 10281-10294	4.7	25
186	Urea-induced denaturation of human calcium/calmodulin-dependent protein kinase IV: a combined spectroscopic and MD simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 463-475	3.6	24
185	Unraveling Binding Mechanism of Alzheimer's Drug Rivastigmine Tartrate with Human Transferrin: Molecular Docking and Multi-Spectroscopic Approach towards Neurodegenerative Diseases. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	24



184	Evidence of non-coincidence of normalized sigmoidal curves of two different structural properties for two-state protein folding/unfolding. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 58, 351-358	2.9	24
183	Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> , <b>2017</b> , 7, 4678	4.9	24
182	Fragile histidine triad protein: structure, function, and its association with tumorigenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2010</b> , 136, 333-50	4.9	24
181	Biophysical analyses of human resistin: oligomer formation suggests novel biological function. <i>Biochemistry</i> , <b>2008</b> , 47, 12457-66	3.2	24
180	Mechanistic insights into the urea-induced denaturation of kinase domain of human integrin linked kinase. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 208-218	7.9	23
179	Design, synthesis, and biological evaluation of pyrimidine derivatives as potential inhibitors of human calcium/calmodulin-dependent protein kinase IV. <i>Chemical Biology and Drug Design</i> , <b>2017</b> , 89, 741-754	2.9	23
178	Molecular basis of the structural stability of hemochromatosis factor E: A combined molecular dynamic simulation and GdmCl-induced denaturation study. <i>Biopolymers</i> , <b>2016</b> , 105, 133-42	2.2	23
177	Characterization of intermediate state of myoglobin in the presence of PEG 10 under physiological conditions. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 241-248	7.9	22
176	In silico approaches for the identification of virulence candidates amongst hypothetical proteins of <i>Mycoplasma pneumoniae</i> 309. <i>Computational Biology and Chemistry</i> , <b>2015</b> , 59 Pt A, 67-80	3.6	22
175	Comparison of the thermal stabilization of proteins by oligosaccharides and monosaccharide mixtures: Measurement and analysis in the context of excluded volume theory. <i>Biophysical Chemistry</i> , <b>2018</b> , 237, 31-37	3.5	22
174	Impact of Gln94Glu mutation on the structure and function of protection of telomere 1, a cause of cutaneous familial melanoma. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 1514-1524	3.6	22
173	Effect of pH on structure, function, and stability of mitochondrial carbonic anhydrase VA. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 449-461	3.6	21
172	The pH Dependence of Saccharides Influence on Thermal Denaturation of Two Model Proteins Supports an Excluded Volume Model for Stabilization Generalized to Allow for Intramolecular Electrostatic Interactions. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 505-511	5.4	21
171	The denaturation of covalently inhibited swine pepsin. <i>International Journal of Peptide and Protein Research</i> , <b>1978</b> , 12, 155-63		21
170	2/3D-QSAR, molecular docking and MD simulation studies of FtsZ protein targeting benzimidazoles derivatives. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 78, 398-413	3.6	21
169	GdmCl-induced unfolding studies of human carbonic anhydrase IX: a combined spectroscopic and MD simulation approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1295-1306	3.6	20
168	Structural basis of urea-induced unfolding: Unraveling the folding pathway of hemochromatosis factor E. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 1051-61	7.9	20
167	Cloning, expression, purification and refolding of microtubule affinity-regulating kinase 4 expressed in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 2838-48	3.2	20

166	Guanidinium chloride and urea denaturations of beta-lactoglobulin A at pH 2.0 and 25 degrees C: the equilibrium intermediate contains non-native structures (helix, tryptophan and hydrophobic patches). <i>Biophysical Chemistry</i> , <b>2007</b> , 127, 140-8	3.5	20
165	A possible origin of differences between calorimetric and equilibrium estimates of stability parameters of proteins. <i>Biochemical Journal</i> , <b>2000</b> , 345, 711	3.8	20
164	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , <b>2020</b> , 82, 106316	4.5	20
163	Structure-based functional annotation of hypothetical proteins from <i>Candida dubliniensis</i> : a quest for potential drug targets. <i>3 Biotech</i> , <b>2015</b> , 5, 561-576	2.8	19
162	Characterization of pre-molten globule state of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25 °C. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 1406-18	7.9	19
161	Delineating the relationship between amyotrophic lateral sclerosis and frontotemporal dementia: Sequence and structure-based predictions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1742-54	6.9	19
160	Testing the dependence of stabilizing effect of osmolytes on the fractional increase in the accessible surface area on thermal and chemical denaturations of proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 591, 7-17	4.1	19
159	Spectroscopic and MD simulation studies on unfolding processes of mitochondrial carbonic anhydrase VA induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1987-97	3.6	19
158	Characterization of folding intermediates during urea-induced denaturation of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 881-887	7.9	19
157	A new method for testing the functional dependence of unfolding free energy changes on denaturant concentration. <i>Journal of Biochemistry</i> , <b>1994</b> , 115, 322-7	3.1	19
156	Identification of Potential Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 2094635	6.7	19
155	Ubiquitin-associated domain of MARK4 provides stability at physiological pH. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1147-1154	7.9	19
154	Atypical PKC phosphorylates microtubule affinity-regulating kinase 4 in vitro. <i>Molecular and Cellular Biochemistry</i> , <b>2015</b> , 410, 223-8	4.2	18
153	Characterisation of molten globule-like state of sheep serum albumin at physiological pH. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 89, 605-13	7.9	18
152	Testing the ability of non-methylamine osmolytes present in kidney cells to counteract the deleterious effects of urea on structure, stability and function of proteins. <i>PLoS ONE</i> , <b>2013</b> , 8, e72533	3.7	18
151	Acidic pH enhances structure and structural stability of the capsid protein of hepatitis E virus. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 313, 67-73	3.4	18
150	Cooperative Unfolding of Residual Structure in Heat Denatured Proteins by Urea and Guanidinium Chloride. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128740	3.7	18
149	Towards New Drug Targets? Function Prediction of Putative Proteins of <i>Neisseria meningitidis</i> MC58 and Their Virulence Characterization. <i>OMICS A Journal of Integrative Biology</i> , <b>2015</b> , 19, 416-34	3.8	17



148	Structural and biochemical investigation of MARK4 inhibitory potential of cholic acid: Towards therapeutic implications in neurodegenerative diseases. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 596-604	7.9	17
147	Structural insight into C9orf72 hexanucleotide repeat expansions: Towards new therapeutic targets in FTD-ALS. <i>Neurochemistry International</i> , <b>2016</b> , 100, 11-20	4.4	17
146	The SARS Coronavirus 3a protein binds calcium in its cytoplasmic domain. <i>Virus Research</i> , <b>2014</b> , 191, 180-184	3.4	17
145	Living with urea stress. <i>Journal of Biosciences</i> , <b>2009</b> , 34, 321-31	2.3	17
144	Evaluation of pyrazolopyrimidine derivatives as microtubule affinity regulating kinase 4 inhibitors: Towards therapeutic management of Alzheimer's disease. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3892-3907	3.6	17
143	Effect of pH on the stability of hemochromatosis factor E: a combined spectroscopic and molecular dynamics simulation-based study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1582-1598	3.6	16
142	Formation of molten globule state in horse heart cytochrome c under physiological conditions: Importance of soft interactions and spectroscopic approach in crowded milieu. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 192-200	7.9	16
141	GdnHCl-induced unfolding intermediate in the mitochondrial carbonic anhydrase VA. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 1151-60	7.9	16
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8	Electrical properties of a metal-germanium-topological insulator (metal/n-Ge/p-Bi <sub>2</sub> Te <sub>3</sub> ) heterostructure devices. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 8106-8121	2.1	1
7	PEG mediated destabilization of holo $\alpha$ -Lactalbumin probed by and studies: deviation from excluded volume effect. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	0
6	Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 5516-5525	3.6	0
5	Stability of uniformly labeled (C and N) cytochrome c and its L94G mutant. <i>Scientific Reports</i> , <b>2021</b> , 11, 6804	4.9	0

4	Crowding Milleu stabilizes apo-myoglobin against chemical-induced denaturation: Dominance of hardcore repulsions in the heme devoid protein. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 552-560	7.9	o
3	Characterization of different intermediate states in myoglobin induced by polyethylene glycol: A process of spontaneous molecular self-organization foresees the energy landscape theory via in vitro and in silico approaches. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117502	6	o
2	Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1.. <i>ACS Omega</i> , <b>2021</b> , 6, 33985-33994	3.9	
1	Molecular basis of pathogenic parasitic infections: insights from parasite kinome. <i>Frontiers in Bioscience - Landmark</i> , <b>2020</b> , 25, 1488-1509	2.8	