

Asimul Islam

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207
papers

3,551
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31
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g-index

217
ext. papers

4,647
ext. citations

4.9
avg, IF

5.95
L-index

#	Paper	IF	Citations
207	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> , 2014 , 15, 456-76	2.8	98
206	Glecaprevir and Maraviroc are high-affinity inhibitors of SARS-CoV-2 main protease: possible implication in COVID-19 therapy. <i>Bioscience Reports</i> , 2020 , 40,	4.1	90
205	The role of key residues in structure, function, and stability of cytochrome-c. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 229-55	10.3	88
204	Protein aggregation and neurodegenerative diseases: From theory to therapy. <i>European Journal of Medicinal Chemistry</i> , 2016 , 124, 1105-1120	6.8	88
203	Elucidation of Dietary Polyphenolics as Potential Inhibitor of Microtubule Affinity Regulating Kinase 4: In silico and In vitro Studies. <i>Scientific Reports</i> , 2017 , 7, 9470	4.9	78
202	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> , 2019 , 37, 1813-1829	3.6	77
201	Microtubule affinity-regulating kinase 4: structure, function, and regulation. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 485-99	3.2	67
200	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> , 2018 , 107, 2580-2589	7.9	64
199	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> , 2017 , 1861, 178-197	4	63
198	Purification and characterization of a trypsin inhibitor from <i>Putranjiva roxburghii</i> seeds. <i>Phytochemistry</i> , 2008 , 69, 2120-6	4	53
197	Binding studies and biological evaluation of β -carotene as a potential inhibitor of human calcium/calmodulin-dependent protein kinase IV. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 161-170	7.9	52
196	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , 2020 , 10, 10300	4.9	51
195	Investigation of inhibitory potential of quercetin to the pyruvate dehydrogenase kinase 3: Towards implications in anticancer therapy. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 1076-1083	7.9	49
194	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> , 2019 , 37, 2179-2192	3.6	46
193	Human β -glucuronidase: structure, function, and application in enzyme replacement therapy. <i>Rejuvenation Research</i> , 2013 , 16, 352-63	2.6	43
192	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> , 2015 , 33, 2267-84	3.6	43
191	Identification of high-affinity inhibitors of SARS-CoV-2 main protease: Towards the development of effective COVID-19 therapy. <i>Virus Research</i> , 2020 , 288, 198102	6.4	43

190	Therapeutic progress in amyotrophic lateral sclerosis-beginning to learning. <i>European Journal of Medicinal Chemistry</i> , 2016 , 121, 903-917	6.8	43
189	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> , 2020 , 25,	4.8	42
188	Calcium/calmodulin-dependent protein kinase IV: A multifunctional enzyme and potential therapeutic target. <i>Progress in Biophysics and Molecular Biology</i> , 2016 , 121, 54-65	4.7	42
187	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> , 2015 , 19, 700-11	3.8	39
186	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> , 2006 , 119, 224-33	3.5	38
185	Functional annotation of putative hypothetical proteins from <i>Candida dubliniensis</i> . <i>Gene</i> , 2014 , 543, 93-100	3.8	37
184	Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via Inhibition of Cyclin-Dependent Kinase 6. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
183	Evidence of vanillin binding to CAMKIV explains the anti-cancer mechanism in human hepatic carcinoma and neuroblastoma cells. <i>Molecular and Cellular Biochemistry</i> , 2018 , 438, 35-45	4.2	36
182	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> , 2020 , 38, 1094-1102	3.6	36
181	MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer's Disease Therapy. <i>Biomolecules</i> , 2020 , 10,	5.9	34
180	Potential drug targets of SARS-CoV-2: From genomics to therapeutics. <i>International Journal of Biological Macromolecules</i> , 2021 , 177, 1-9	7.9	34
179	A unique molten globule state occurs during unfolding of cytochrome c by LiClO ₄ near physiological pH and temperature: structural and thermodynamic characterization. <i>Biochemistry</i> , 2006 , 45, 4695-702	3.2	33
178	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> , 2015 , 584, 42-50	4.1	32
177	Structure guided design of potential inhibitors of human calcium-calmodulin dependent protein kinase IV containing pyrimidine scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 782-788	2.9	32
176	Structural Analysis and Conformational Dynamics of Gene Mutations Involved in Coat Plus Syndrome. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 41	5.6	31
175	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> , 2020 , 148, 533-542	7.9	30
174	Protein aggregation, misfolding and consequential human neurodegenerative diseases. <i>International Journal of Neuroscience</i> , 2017 , 127, 1047-1057	2	29
173	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> , 2015 , 33, 1493-502	3.6	29

172	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> , 2018 , 111, 548-560	7.9	29
171	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> , 2016 , 94, 221-8	3.6	28
170	Thermal Stabilization of Proteins by Mono- and Oligosaccharides: Measurement and Analysis in the Context of an Excluded Volume Model. <i>Biochemistry</i> , 2015 , 54, 3594-603	3.2	27
169	Macromolecular crowding induces molten globule state in the native myoglobin at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 130-139	7.9	27
168	Chikungunya virus: recent advances in epidemiology, host pathogen interaction and vaccine strategies. <i>Pathogens and Disease</i> , 2016 , 74,	4.2	26
167	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> , 2019 , 126, 1288-1294	7.9	26
166	PKR-inhibitor binds efficiently with human microtubule affinity-regulating kinase 4. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 62, 245-252	2.8	25
165	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> , 2014 , 32, 2005-16	3.6	25
164	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> , 2019 , 120, 10281-10294	4.7	25
163	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> , 2017 , 35, 463-475	3.6	24
162	Unraveling Binding Mechanism of Alzheimer's Drug Rivastigmine Tartrate with Human Transferrin: Molecular Docking and Multi-Spectroscopic Approach towards Neurodegenerative Diseases. <i>Biomolecules</i> , 2019 , 9,	5.9	24
161	Effect of 1,4-bis(3-dodecylimidazolium-1-yl) butane bromide on channel form of gramicidin vesicles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 508, 150-158	5.1	24
160	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> , 2013 , 58, 351-358	2.9	24
159	Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> , 2017 , 7, 4678	4.9	24
158	Biophysical analyses of human resistin: oligomer formation suggests novel biological function. <i>Biochemistry</i> , 2008 , 47, 12457-66	3.2	24
157	Mechanistic insights into the urea-induced denaturation of kinase domain of human integrin linked kinase. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 208-218	7.9	23
156	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> , 2017 , 89, 741-754	2.9	23
155	Molecular basis of the structural stability of hemochromatosis factor E: A combined molecular dynamic simulation and GdmCl-induced denaturation study. <i>Biopolymers</i> , 2016 , 105, 133-42	2.2	23

154	Characterization of intermediate state of myoglobin in the presence of PEG 10 under physiological conditions. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 241-248	7.9	22
153	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> , 2018 , 237, 31-37	3.5	22
152	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. <i>ACS Omega</i> , 2020 , 5, 27480-27491	3.9	22
151	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> , 2020 , 38, 1514-1524	3.6	22
150	Effect of pH on structure, function, and stability of mitochondrial carbonic anhydrase VA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 449-461	3.6	21
149	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> , 2017 , 292, 505-511	5.4	21
148	2/3D-QSAR, molecular docking and MD simulation studies of FtsZ protein targeting benzimidazoles derivatives. <i>Computational Biology and Chemistry</i> , 2019 , 78, 398-413	3.6	21
147	GdmCl-induced unfolding studies of human carbonic anhydrase IX: a combined spectroscopic and MD simulation approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1295-1306	3.6	20
146	Corona virus versus existence of human on the earth: A computational and biophysical approach. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 271-281	7.9	20
145	Structural basis of urea-induced unfolding: Unraveling the folding pathway of hemochromatosis factor E. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1051-61	7.9	20
144	Cloning, expression, purification and refolding of microtubule affinity-regulating kinase 4 expressed in Escherichia coli. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 2838-48	3.2	20
143	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> , 2007 , 127, 140-8	3.5	20
142	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , 2020 , 82, 106316	4.5	20
141	Elucidating the Interaction of Human Ferritin with Quercetin and Naringenin: Implication of Natural Products in Neurodegenerative Diseases: Molecular Docking and Dynamics Simulation Insight. <i>ACS Omega</i> , 2021 , 6, 7922-7930	3.9	20
140	Refolding of urea denatured cytochrome c: Role of hydrophobic tail of the cationic gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 205-212	9.3	20
139	Structure-based functional annotation of hypothetical proteins from <i>Candida dubliniensis</i> : a quest for potential drug targets. <i>3 Biotech</i> , 2015 , 5, 561-576	2.8	19
138	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> , 2015 , 72, 1406-18	7.9	19
137	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> , 2016 , 1862, 1742-54	6.9	19

136	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> , 2016 , 591, 7-17	4.1	19
135	Spectroscopic and MD simulation studies on unfolding processes of mitochondrial carbonic anhydrase VA induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 1987-97	3.6	19
134	Characterization of folding intermediates during urea-induced denaturation of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 881-887	7.9	19
133	Identification of Potential Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 2094635	6.7	19
132	Ubiquitin-associated domain of MARK4 provides stability at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1147-1154	7.9	19
131	Atypical PKC phosphorylates microtubule affinity-regulating kinase 4 in vitro. <i>Molecular and Cellular Biochemistry</i> , 2015 , 410, 223-8	4.2	18
130	Characterisation of molten globule-like state of sheep serum albumin at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 605-13	7.9	18
129	New insights into the antioxidant and apoptotic potential of Glycyrrhiza glabra L. during hydrogen peroxide mediated oxidative stress: An in vitro and in silico evaluation. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 94, 265-279	7.5	18
128	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> , 2013 , 8, e72533	3.7	18
127	Cooperative Unfolding of Residual Structure in Heat Denatured Proteins by Urea and Guanidinium Chloride. <i>PLoS ONE</i> , 2015 , 10, e0128740	3.7	18
126	Structural and biochemical investigation of MARK4 inhibitory potential of cholic acid: Towards therapeutic implications in neurodegenerative diseases. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 596-604	7.9	17
125	Structural insight into C9orf72 hexanucleotide repeat expansions: Towards new therapeutic targets in FTD-ALS. <i>Neurochemistry International</i> , 2016 , 100, 11-20	4.4	17
124	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> , 2020 , 38, 3892-3907	3.6	17
123	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> , 2017 , 35, 1582-1598	3.6	16
122	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> , 2020 , 148, 192-200	7.9	16
121	GdnHCl-induced unfolding intermediate in the mitochondrial carbonic anhydrase VA. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1151-60	7.9	16
120	Sequence, structure and evolutionary analysis of cold shock domain proteins, a member of OB fold family. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1903-1917	2.3	16
119	Carbohydrate-Based Macromolecular Crowding-Induced Stabilization of Proteins: Towards Understanding the Significance of the Size of the Crowder. <i>Biomolecules</i> , 2019 , 9,	5.9	15

118	Mixture of Macromolecular Crowding Agents Has a Non-additive Effect on the Stability of Proteins. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 188, 927-941	3.2	15
117	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> , 2020 , 9,	7.9	15
116	Heterogeneity of equilibrium molten globule state of cytochrome c induced by weak salt denaturants under physiological condition. <i>PLoS ONE</i> , 2015 , 10, e0120465	3.7	15
115	Identification of high-affinity inhibitors of pyruvate dehydrogenase kinase-3: towards therapeutic management of cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 586-594	3.6	15
114	Human microtubule affinity-regulating kinase 4 is stable at extremes of pH. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 1241-51	3.6	14
113	Unravelling the unfolding mechanism of human integrin linked kinase by GdmCl-induced denaturation. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 1252-1263	7.9	13
112	Estimation of thermodynamic stability of human carbonic anhydrase IX from urea-induced denaturation and MD simulation studies. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 183-189	7.9	13
111	Virtual high-throughput screening of natural compounds in-search of potential inhibitors for protection of telomeres 1 (POT1). <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 4625-4634	3.6	13
110	Investigation of conformational dynamics of Tyr89Cys mutation in protection of telomeres 1 gene associated with familial melanoma. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 35-44	3.6	13
109	Targeting pyruvate dehydrogenase kinase signaling in the development of effective cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021 , 1876, 188568	11.2	13
108	Structure-function studies of <i>Murraya koenigii</i> trypsin inhibitor revealed a stable core beta sheet structure surrounded by alpha-helices with a possible role for alpha-helix in inhibitory function. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 410-4	7.9	12
107	Sequence Analysis of Hypothetical Proteins from 26695 to Identify Potential Virulence Factors. <i>Genomics and Informatics</i> , 2016 , 14, 125-135	1.9	12
106	Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. <i>Scientific Reports</i> , 2021 , 11, 10202	4.9	12
105	Structural and thermodynamic characterisation of L94F mutant of horse cytochrome c. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 202-212	7.9	12
104	Investigating architecture and structure-function relationships in cold shock DNA-binding domain family using structural genomics-based approach. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 484-494	7.9	11
103	Effects of Ethylene Glycol on the Structure and Stability of Myoglobin Using Spectroscopic, Interaction, and Approaches: Monomer Is Different from Those of Its Polymers. <i>ACS Omega</i> , 2020 , 5, 13840-13850	3.9	11
102	Interactions Under Crowding Milieu: Chemical-Induced Denaturation of Myoglobin is Determined by the Extent of Heme Dissociation on Interaction with Crowders. <i>Biomolecules</i> , 2020 , 10,	5.9	11
101	Sugar osmolytes-induced stabilization of RNase A in macromolecular crowded cellular environment. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 349-357	7.9	11

100	Cloning, expression, purification and characterization of human mitochondrial carbonic anhydrase VA. 3 <i>Biotech</i> , 2016 , 6, 16	2.8	11
99	Folding and stability studies on C-PE and its natural N-terminal truncant. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 545, 9-21	4.1	11
98	Evaluation of human microtubule affinity-regulating kinase 4 inhibitors: fluorescence binding studies, enzyme, and cell assays. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 3194-3203	3.6	11
97	Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. <i>Cancers</i> , 2021 , 13,	6.6	11
96	Effect of dextran on the thermodynamic stability and structure of ribonuclease A. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 181-189	2	10
95	Denatured states of yeast cytochrome c induced by heat and guanidinium chloride are structurally and thermodynamically different. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1420-1435	3.6	10
94	Effect of pH on the structure and function of pyruvate dehydrogenase kinase 3: Combined spectroscopic and MD simulation studies. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 768-777	7.9	10
93	Probing pH sensitivity of β -phycoerythrin and its natural truncant: A comparative study. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 18-27	7.9	10
92	Characterization of a neutral and thermostable glucoamylase from the thermophilic mold <i>Thermomucor indicae-seudaticae</i> : activity, stability, and structural correlation. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 879-90	3.2	10
91	Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
90	Evaluation of Binding of Rosmarinic Acid with Human Transferrin and Its Impact on the Protein Structure: Targeting Polyphenolic Acid-Induced Protection of Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 1245875	6.7	10
89	Structure-based investigation of MARK4 inhibitory potential of Naringenin for therapeutic management of cancer and neurodegenerative diseases. <i>Journal of Cellular Biochemistry</i> , 2021 , 122, 1445-1459	4.7	10
88	Mechanistic insight into the binding of graphene oxide with human serum albumin: Multispectroscopic and molecular docking approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 256, 119750	4.4	10
87	Protein folding: Molecular dynamics simulations and in vitro studies for probing mechanism of urea- and guanidinium chloride-induced unfolding of horse cytochrome-c. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 695-704	7.9	10
86	Circulation of single serotype of Dengue Virus (DENV-3) in New Delhi, India during 2016: A change in the epidemiological trend. <i>Journal of Infection and Public Health</i> , 2019 , 12, 49-56	7.4	10
85	Estimation of pH effect on the structure and stability of kinase domain of human integrin-linked kinase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 156-165	3.6	10
84	Discovery of 4-(2-(dimethylamino)ethoxy)benzohydrazide derivatives as prospective microtubule affinity regulating kinase 4 inhibitors.. <i>RSC Advances</i> , 2020 , 10, 20129-20137	3.7	9
83	Purification and structural characterization of Mce4A from <i>Mycobacterium tuberculosis</i> . <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 235-241	7.9	9

82	Molecular and macromolecular crowding-induced stabilization of proteins: Effect of dextran and its building block alone and their mixtures on stability and structure of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 1238-1248	7.9	9
81	Heme-iron ligand (M80-Fe) in cytochrome is destabilizing: combined and approaches to monitor changes in structure, stability and dynamics of the protein on mutation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-18	3.6	9
80	Purification and characterization of Ras related protein, Rab5a from <i>Tinospora cordifolia</i> . <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 471-9	7.9	8
79	Structural Characterization, Homology Modeling and Docking Studies of ARG674 Mutation in MyH8 Gene Associated with Trismus-Pseudocamptodactyly Syndrome. <i>Letters in Drug Design and Discovery</i> , 2014 , 11, 1177-1187	0.8	8
78	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 177-186	7.9	8
77	Glossary of phytoconstituents: Can these be repurposed against SARS CoV-2? A quick in silico screening of various phytoconstituents from plant <i>Glycyrrhiza glabra</i> with SARS CoV-2 main protease. <i>Food and Chemical Toxicology</i> , 2021 , 150, 112057	4.7	8
76	Probing the interaction of memantine, an important Alzheimer's drug, with human serum albumin: In silico and in vitro approach. <i>Journal of Molecular Liquids</i> , 2021 , 340, 116888	6	8
75	Non-enzymatic glycation enhances human serum albumin binding capacity to sodium fluorescein at room temperature: A spectroscopic analysis. <i>Clinica Chimica Acta</i> , 2017 , 469, 180-186	6.2	7
74	Why is Glycine not a Part of the Osmoticum in the Urea-rich Cells?. <i>Protein and Peptide Letters</i> , 2013 , 20, 61-70	1.9	7
73	Natural products can be used in therapeutic management of COVID-19: Probable mechanistic insights.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 147, 112658	7.5	7
72	MAP/Microtubule Affinity Regulating Kinase 4 Inhibitory Potential of Irisin: A New Therapeutic Strategy to Combat Cancer and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
71	Heparin Accelerates the Protein Aggregation via the Downhill Polymerization Mechanism: Multi-Spectroscopic Studies to Delineate the Implications on Proteinopathies. <i>ACS Omega</i> , 2021 , 6, 23282-23397	3.9	7
70	Data on the role of accessible surface area on osmolytes-induced protein stabilization. <i>Data in Brief</i> , 2017 , 10, 47-56	1.2	6
69	Unfoldness of the denatured state of proteins determines urea: Methylamine counteraction in terms of Gibbs free energy of stabilization. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 666-676	7.9	6
68	Insight into the binding of PEG-400 with eye protein alpha-crystallin: Multi spectroscopic and computational approach: possible therapeutics targeting eye diseases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-11	3.6	6
67	Counteraction of the deleterious effects of urea on structure and stability of mammalian kidney proteins by osmolytes. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1659-1667	7.9	6
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