

Faizan Ahmad

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.

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	FNDC5/Irisin: Physiology and Pathophysiology.. <i>Molecules</i> , 2022 , 27,	4.8	3
272	Effect of pH on the structure and stability of irisin, a multifunctional protein: Multispectroscopic and molecular dynamics simulation approach. <i>Journal of Molecular Structure</i> , 2022 , 1252, 132141	3.4	2
271	Charge transfer induced symmetry breaking in GaN/Bi ₂ Se ₃ topological heterostructure device. <i>Npj 2D Materials and Applications</i> , 2022 , 6,	8.8	2
270	PEG mediated destabilization of holo Hactalbumin probed by and studies: deviation from excluded volume effect. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-13	3.6	0
269	Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1.. <i>ACS Omega</i> , 2021 , 6, 33985-33994	3.9	
268	Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 5516-5525	3.6	0
267	Multispectroscopic and Molecular Docking Insight into Elucidating the Interaction of Irisin with Rivastigmine Tartrate: A Combinational Therapy Approach to Fight Alzheimer's Disease. <i>ACS Omega</i> , 2021 , 6, 7910-7921	3.9	4
266	Interaction of polyethylene glycol with cytochrome c investigated via in vitro and in silico approaches. <i>Scientific Reports</i> , 2021 , 11, 6475	4.9	6
265	Stability of uniformly labeled (C and N) cytochrome c and its L94G mutant. <i>Scientific Reports</i> , 2021 , 11, 6804	4.9	0
264	Rationalizing the Role of Monosodium Glutamate in the Protein Aggregation Through Biophysical Approaches: Potential Impact on Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2021 , 15, 636454	5.1	3
263	Electrical properties of a metal-germanium-topological insulator (metal/n-Ge/p-Bi ₂ Te ₃) heterostructure devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 8106-8121	2.1	1
262	Heavy metals assessment in water, soil, vegetables and their associated health risks via consumption of vegetables, District Kasur, Pakistan. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	15
261	Structural Refolding and Thermal Stability of Myoglobin in the Presence of Mixture of Crowders: Importance of Various Interactions for Protein Stabilization in Crowded Conditions. <i>Molecules</i> , 2021 , 26,	4.8	2
260	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> , 2021 , 181, 552-560	7.9	0
259	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
258	Targeting metacaspase-3 from towards antimalarial therapy: A combined approach of and investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 421-430	3.6	4
257	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

256	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, 2328-2339	3.9	7
255	Trehalose Restrains the Fibril Load towards β -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , 2021 , 11,	5.9	2
254	Dual-quadrant photodetection in topological insulator and silicon-based heterojunction (n-Bi ₂ Te ₂ Se/p-Si). <i>Applied Surface Science</i> , 2021 , 565, 150497	6.7	2
253	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> , 2021 , 342, 117502	6	0
252	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
251	Biophysical Elucidation of Fibrillation Inhibition by Sugar Osmolytes in β -Lactalbumin: Multispectroscopic and Molecular Docking Approaches. <i>ACS Omega</i> , 2020 , 5, 26871-26882	3.9	5
250	Structure, function and therapeutic implications of OB-fold proteins: A lesson from past to present. <i>Briefings in Functional Genomics</i> , 2020 , 19, 377-389	4.9	2
249	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
248	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
247	Material Study of Co ₂ CrAl Heusler Alloy Magnetic Thin Film and Co ₂ CrAl/n-Si Schottky Junction Device. <i>Journal of Electronic Materials</i> , 2020 , 49, 3652-3658	1.9	3
246	Immobilized angiotensin II type I receptor: A powerful method of high throughput screening for antihypertensive compound identification through binding interaction analysis. <i>Journal of Chromatography A</i> , 2020 , 1620, 461003	4.5	13
245	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
244	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , 2020 , 10, 10300	4.9	51
243	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
242	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
241	Anomalous magnetic properties in LaFeAl. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3425-3433	3.6	3
240	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
239	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

238	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
237	Effect of Different Metallic Contacts on the Device Performance of a p-n Heterostructure of a Topological Insulator and Silicon (p-Bi ₂ Te ₃ /n-Si). <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 5388-5393	2.9	5
236	Molecular basis of pathogenic parasitic infections: insights from parasite kinome. <i>Frontiers in Bioscience - Landmark</i> , 2020 , 25, 1488-1509	2.8	
235	Effects of natural mutations (L94I and L94V) on the stability and mechanism of folding of horse cytochrome c: A combined in vitro and molecular dynamics simulations approach. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 976-985	7.9	1
234	Backbone and side chain H, N and C chemical shift assignments of the molten globule state of L94G mutant of horse cytochrome-c. <i>Biomolecular NMR Assignments</i> , 2020 , 14, 37-44	0.7	1
233	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
232	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , 2020 , 82, 106316	4.5	20
231	Urea Stress: Myo-inositol's efficacy to counteract destabilization of TIM- α -globin complex by urea is as good as that of the methylamine. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 1108-1115	7.9	2
230	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
229	Reversible and site-specific immobilization of β -adrenergic receptor by aptamer-directed method for receptor-drug interaction analysis. <i>Journal of Chromatography A</i> , 2020 , 1622, 461091	4.5	4
228	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
227	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
226	Conformational changes in cytochrome c directed by ethylene glycol accompanying complex formation: Protein-solvent preferential interaction or/and kosmotropic effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 242, 118788	4.4	5
225	Concentration dependent effect of ethylene glycol on the structure and stability of holo β -actalbumin: Characterization of intermediate state amidst soft interactions. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2151-2161	7.9	3
224	A Systems View of the Genome Guardians: Mapping the Signaling Circuitry Underlying Oligonucleotide/Oligosaccharide-Binding Fold Proteins. <i>OMICS A Journal of Integrative Biology</i> , 2020 , 24, 518-530	3.8	2
223	Behavioral profiling: a generationwide study of players' experiences during brain games play. <i>Interactive Learning Environments</i> , 2020 , 1-14	3.1	1
222	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
221	Biophysical Insights into Implications of PEG-400 on the β -Crystallin Structure: Multispectroscopic and Microscopic Approach. <i>ACS Omega</i> , 2020 , 5, 19210-19216	3.9	6

220	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
219	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
218	Characterization of heterogeneous intermediate ensembles on the guanidinium chloride-induced unfolding pathway of β -lactoglobulin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 1042-1053	3.6	3
217	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
216	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
215	Effect of Doping and Annealing on Thermoelectric Properties of Bismuth Telluride Thin Films. <i>Journal of Electronic Materials</i> , 2020 , 49, 4195-4202	1.9	9
214	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
213	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
212	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
211	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
210	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
209	Structural and functional impact of non-synonymous SNPs in the CST complex subunit TEN1: structural genomics approach. <i>Bioscience Reports</i> , 2019 , 39,	4.1	15
208	Stabilizing osmolytes Effects on the structure, stability and function of tc-tenecteplase: A one peptide bond digested form of tenecteplase. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 863-877	7.9	2
207	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
206	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
205	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
204	Protein stability: Determination of structure and stability of the transmembrane protein Mce4A from <i>M. tuberculosis</i> in membrane-like environment. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 488-495	7.9	3
203	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

202	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
201	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
200	Purification, modeling and structural insights of calmodulin-binding receptor like cytoplasmic kinase 2 from <i>Oroxylum Indicum</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 704-712	7.9	3
199	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
198	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
197	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
196	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
195	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
194	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
193	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
192	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
191	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
190	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
189	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
188	Structural insights into Rab21 GTPase activation mechanism by molecular dynamics simulations. <i>Molecular Simulation</i> , 2018 , 44, 179-189	2	12
187	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
186	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
185	β-Cyclodextrin-Modified Magnetic Nanoparticles Immobilized on Sepharose Surface Provide an Effective Matrix for Protein Refolding. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9907-9919	3.4	3

184	Fabrication of a p _n Heterojunction Using Topological Insulator Bi ₂ Te ₃ Bi and Its Annealing Response. <i>Journal of Electronic Materials</i> , 2018 , 47, 6972-6983	1.9	8
183	A comparative study of structure, stability and function of sc-tenecteplase in the presence of stabilizing osmolytes. <i>Journal of Biotechnology</i> , 2018 , 280, 1-10	3.7	4
182	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> , 2017 , 35, 105-118	3.6	41
181	Classification and Functional Analyses of Putative Conserved Proteins from Chlamydomonas reinhardtii CWL029. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017 , 9, 96-106	3.5	1
180	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
179	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
178	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
177	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
176	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
175	Effect of mammalian kidney osmolytes on the folding pathway of sheep serum albumin. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 625-634	7.9	5
174	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
173	Protein aggregation, misfolding and consequential human neurodegenerative diseases. <i>International Journal of Neuroscience</i> , 2017 , 127, 1047-1057	2	29
172	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
171	Effect of a Synthesized Amyl-Glycine1, 10-Phenanthroline Platinum Nitrate on Structure and Stability of Human Blood Carrier Protein, Albumin: Spectroscopic and Modeling Approaches. <i>Journal of Fluorescence</i> , 2017 , 27, 1829-1838	2.4	11
170	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
169	Purification, preliminary X-ray crystallography and biophysical studies of triose phosphate isomerase-β-globin subunit complex. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 746-753	7.9	3
168	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
167	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

166	Effect of conservative mutations (L94V and L94I) on the structure and stability of horse cytochrome c. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 633, 40-49	4.1	6
165	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
164	Fas-activated serine/threonine kinase: Structure and function. <i>Gene Reports</i> , 2017 , 8, 117-127	1.4	5
163	Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> , 2017 , 7, 4678	4.9	24
162	Exploring Missense Mutations in Tyrosine Kinases Implicated with Neurodegeneration. <i>Molecular Neurobiology</i> , 2017 , 54, 5085-5106	6.2	4
161	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
160	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
159	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
158	Counteraction of the deleterious effects of reactive oxygen species on hemoglobin structure and function by ellagic acid. <i>Journal of Luminescence</i> , 2017 , 182, 1-7	3.8	5
157	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
156	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
155	Biophysical characterization of G protein ectodomain of group B human respiratory syncytial virus from E. coli. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 483-8	2.4	3
154	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
153	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> , 2016 , 34, 572-84	3.6	58
152	Functional annotation of putative conserved proteins from <i>Borrelia burgdorferi</i> to find potential drug targets. <i>International Journal of Computational Biology and Drug Design</i> , 2016 , 9, 295	0.4	1
151	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
150	GdnHCl-induced unfolding intermediate in the mitochondrial carbonic anhydrase VA. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1151-60	7.9	16
149	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

148	Purification and structural characterization of Mce4A from Mycobacterium tuberculosis. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 235-241	7.9	9
147	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
146	Purification and characterization of RGA2, a Rho2 GTPase-activating protein from <i>Tinospora cordifolia</i> . <i>3 Biotech</i> , 2016 , 6, 85	2.8	2
145	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
144	Human Disease Insight: An integrated knowledge-based platform for disease-gene-drug information. <i>Journal of Infection and Public Health</i> , 2016 , 9, 331-8	7.4	2
143	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
142	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> , 2016 , 64, 101-109	2.8	26
141	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
140	Cloning, expression, purification and characterization of human mitochondrial carbonic anhydrase VA. <i>3 Biotech</i> , 2016 , 6, 16	2.8	11
139	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
138	Purification and characterization of oligonucleotide binding (OB)-fold protein from medicinal plant <i>Tinospora cordifolia</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1008, 38-44	3.2	5
137	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
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	Large scale analysis of the mutational landscape in β -glucuronidase: A major player of mucopolysaccharidosis type VII. <i>Gene</i> , 2016 , 576, 36-44	3.8	67
133	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
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