

# Md Imtaiyaz Hassan

## List of Publications by Year in descending order

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Version: 2024-02-01

383  
papers

11,458  
citations

36303

51  
h-index

76900

74  
g-index

390  
all docs

390  
docs citations

390  
times ranked

9193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminol-Based Chemiluminescent Signals: Clinical and Non-clinical Application and Future Uses. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 333-355.	2.9	212
2	Structure, function and applications of carbonic anhydrase isozymes. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1570-1582.	3.0	203
3	Zinc $\beta$ -2-Glycoprotein: A Multidisciplinary Protein. <i>Molecular Cancer Research</i> , 2008, 6, 892-906.	3.4	200
4	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, 456-476.	1.4	197
5	Advancements in Docking and Molecular Dynamics Simulations Towards Ligand-receptor Interactions and Structure-function Relationships. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1755-1768.	2.1	188
6	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, .	2.4	129
7	InstaDock: A single-click graphical user interface for molecular docking-based virtual high-throughput screening. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	127
8	Current updates on computer aided protein modeling and designing. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 48-62.	7.5	123
9	Protein aggregation and neurodegenerative diseases: From theory to therapy. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 1105-1120.	5.5	120
10	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.	3.5	114
11	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , 2020, 10, 10300.	3.3	114
12	Spectroscopic and isothermal titration calorimetry studies of binding interaction of ferulic acid with bovine serum albumin. <i>Thermochimica Acta</i> , 2012, 548, 56-64.	2.7	113
13	The role of key residues in structure, function, and stability of cytochrome-c. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 229-255.	5.4	113
14	Implications of the second wave of COVID-19 in India. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, e93-e94.	10.7	106
15	Chitin and its derivatives: Structural properties and biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 526-539.	7.5	105
16	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.	7.5	96
17	Microtubule Affinity-Regulating Kinase 4: Structure, Function, and Regulation. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 485-499.	1.8	94
18	Functional Annotation of Conserved Hypothetical Proteins from <i>Haemophilus influenzae</i> Rd KW20. <i>PLoS ONE</i> , 2013, 8, e84263.	2.5	93

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19	Prolactin inducible protein in cancer, fertility and immunoregulation: structure, function and its clinical implications. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 447-459.	5.4	92
20	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.	3.3	91
21	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, 823.	3.8	89
22	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.	2.4	86
23	A novel multicopper oxidase (laccase) from cyanobacteria: Purification, characterization with potential in the decolorization of anthraquinonic dye. <i>PLoS ONE</i> , 2017, 12, e0175144.	2.5	84
24	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, 1076-1085.	7.5	80
25	Large scale analysis of the mutational landscape in $\beta$ -glucuronidase: A major player of mucopolysaccharidosis type VII. <i>Gene</i> , 2016, 576, 36-44.	2.2	79
26	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.	2.2	79
27	Evaluation of ellagic acid as an inhibitor of sphingosine kinase 1: A targeted approach towards anticancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109245.	5.6	78
28	Potential drug targets of SARS-CoV-2: From genomics to therapeutics. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 1-9.	7.5	77
29	Discovery of Hordenine as a Potential Inhibitor of Pyruvate Dehydrogenase Kinase 3: Implication in Lung Cancer Therapy. <i>Biomedicines</i> , 2020, 8, 119.	3.2	76
30	MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer's Disease Therapy. <i>Biomolecules</i> , 2020, 10, 789.	4.0	76
31	Targeting pyruvate dehydrogenase kinase signaling in the development of effective cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188568.	7.4	75
32	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, 3526.	4.1	74
33	Identification and Evaluation of Inhibitors of Lipase from <i>Malassezia restricta</i> using Virtual High-Throughput Screening and Molecular Dynamics Studies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 884.	4.1	72
34	Synthesis, characterization and biological evaluation of tertiary sulfonamide derivatives of pyridyl-indole based heteroaryl chalcone as potential carbonic anhydrase IX inhibitors and anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 13-23.	5.5	71
35	Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 840-852.	5.5	69
36	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, 572-584.	3.5	68

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37	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> , 2017, 96, 161-170.	7.5	67
38	Crystal Structure of the Novel Complex Formed between Zinc $\beta$ -2-Glycoprotein (ZAG) and Prolactin-Inducible Protein (PIP) from Human Seminal Plasma. <i>Journal of Molecular Biology</i> , 2008, 384, 663-672.	4.2	65
39	Design, synthesis and biological evaluation of novel pyridine-thiazolidinone derivatives as anticancer agents: Targeting human carbonic anhydrase IX. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 544-556.	5.5	63
40	Identification of $\beta$ -Mangostin as a Potential Inhibitor of Microtubule Affinity Regulating Kinase 4. <i>Journal of Natural Products</i> , 2019, 82, 2252-2261.	3.0	62
41	Proteomic analysis of heparin-binding proteins from human seminal plasma: a step towards identification of molecular markers of male fertility. <i>Journal of Biosciences</i> , 2009, 34, 899-908.	1.1	61
42	Structural and Functional Analysis of Various Globulin Proteins from Soy Seed. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1491-1502.	10.3	61
43	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> , 2015, 33, 121-133.	3.5	60
44	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.	3.5	60
45	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.	3.5	60
46	Human $\beta$ -Glucuronidase: Structure, Function, and Application in Enzyme Replacement Therapy. <i>Rejuvenation Research</i> , 2013, 16, 352-363.	1.8	59
47	Therapeutic progress in amyotrophic lateral sclerosis-beginning to learning. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 903-917.	5.5	59
48	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.	3.1	56
49	FNDC5/Irisin: Physiology and Pathophysiology. <i>Molecules</i> , 2022, 27, 1118.	3.8	56
50	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.	2.9	54
51	Structural Analysis and Conformational Dynamics of STN1 Gene Mutations Involved in Coat Plus Syndrome. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 41.	3.5	53
52	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.	3.5	52
53	Biological evaluation of p-toluene sulphonylhydrazone as carbonic anhydrase IX inhibitors: An approach to fight hypoxia-induced tumors. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 840-850.	7.5	52
54	Evaluation of binding and inhibition mechanism of dietary phytochemicals with sphingosine kinase 1: Towards targeted anticancer therapy. <i>Scientific Reports</i> , 2019, 9, 18727.	3.3	52

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55	Binding mechanism of caffeic acid and simvastatin to the integrin linked kinase for therapeutic implications: a comparative docking and MD simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4327-4337.	3.5	52
56	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.	7.5	52
57	High Resolution Crystal Structure of Human $\beta$ -Glucuronidase Reveals Structural Basis of Lysosome Targeting. <i>PLoS ONE</i> , 2013, 8, e79687.	2.5	52
58	Functional annotation of putative hypothetical proteins from <i>Candida dubliniensis</i> . <i>Gene</i> , 2014, 543, 93-100.	2.2	51
59	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, 2267-2284.	3.5	51
60	Insight of the Interaction between 2,4-thiazolidinedione and Human Serum Albumin: A Spectroscopic, Thermodynamic and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2727.	4.1	51
61	Biomedical features and therapeutic potential of rosmarinic acid. <i>Archives of Pharmacal Research</i> , 2022, 45, 205-228.	6.3	51
62	Structure and function of von Willebrand factor. <i>Blood Coagulation and Fibrinolysis</i> , 2012, 23, 11-22.	1.0	50
63	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, 700-711.	2.0	50
64	Structure-based identification of potential SARS-CoV-2 main protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3595-3608.	3.5	50
65	Natural products can be used in therapeutic management of COVID-19: Probable mechanistic insights. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112658.	5.6	50
66	Probing the Inhibition of Microtubule Affinity Regulating Kinase 4 by N-Substituted Acridones. <i>Scientific Reports</i> , 2019, 9, 1676.	3.3	49
67	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 27480-27491.	3.5	48
68	Identification of natural compounds as potent inhibitors of SARS-CoV-2 main protease using combined docking and molecular dynamics simulations. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2423-2431.	3.8	47
69	Unraveling the Role of RNA Mediated Toxicity of C9orf72 Repeats in C9-FTD/ALS. <i>Frontiers in Neuroscience</i> , 2017, 11, 711.	2.8	46
70	Unraveling Binding Mechanism of Alzheimer's™s Drug Rivastigmine Tartrate with Human Transferrin: Molecular Docking and Multi-Spectroscopic Approach towards Neurodegenerative Diseases. <i>Biomolecules</i> , 2019, 9, 495.	4.0	46
71	Mutated CEACAMs Disrupt Transforming Growth Factor Beta Signaling and Alter the Intestinal Microbiome to Promote Colorectal Carcinogenesis. <i>Gastroenterology</i> , 2020, 158, 238-252.	1.3	46
72	Identification and evaluation of glutathione conjugate gamma-glutamyl-cysteine for improved drug delivery to the brain. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3610-3620.	3.5	46

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73	Discovering a potent small molecule inhibitor for gankyrin using de novo drug design approach. <i>International Journal of Computational Biology and Drug Design</i> , 2011, 4, 373.	0.3	45
74	Implications of molecular diversity of chitin and its derivatives. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3513-3536.	3.6	45
75	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.	7.5	45
76	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , 2020, 82, 106316.	4.8	45
77	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.	3.5	45
78	Protein aggregation, misfolding and consequential human neurodegenerative diseases. <i>International Journal of Neuroscience</i> , 2017, 127, 1047-1057.	1.6	44
79	Molecular interaction studies on ellagic acid for its anticancer potential targeting pyruvate dehydrogenase kinase 3. <i>RSC Advances</i> , 2019, 9, 23302-23315.	3.6	44
80	Functional implications of pH-induced conformational changes in the Sphingosine kinase 1. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117453.	3.9	44
81	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.	2.6	44
82	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.	2.3	43
83	Diagnostic approaches in COVID-19: clinical updates. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 197-212.	2.5	43
84	Search of potential inhibitor against New Delhi metallo-beta-lactamase 1 from a series of antibacterial natural compounds. <i>Journal of Natural Science, Biology and Medicine</i> , 2013, 4, 51.	1.0	43
85	Genomic Variations in the Structural Proteins of SARS-CoV-2 and Their Deleterious Impact on Pathogenesis: A Comparative Genomics Approach. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 765039.	3.9	43
86	Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 272.	3.8	43
87	Interaction of DNA Minor Groove Binder Hoechst 33258 with Bovine Serum Albumin. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 481-486.	1.3	42
88	Structural and functional analysis of human prostatic acid phosphatase. <i>Expert Review of Anticancer Therapy</i> , 2010, 10, 1055-1068.	2.4	42
89	Chitinase from <i>Thermomyces lanuginosus</i> SSBP and its biotechnological applications. <i>Extremophiles</i> , 2015, 19, 1055-1066.	2.3	42
90	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.	3.0	42

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91	Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12162.	4.1	42
92	Structure-guided design of peptidic ligand for human prostate specific antigen. <i>Journal of Peptide Science</i> , 2007, 13, 849-855.	1.4	41
93	Progastriscin: Structure, Function, and Its Role in Tumor Progression. <i>Journal of Molecular Cell Biology</i> , 2010, 2, 118-127.	3.3	41
94	Synthesis, molecular docking and inhibition studies of novel 3-N-aryl substituted-2-heteroarylchromones targeting microtubule affinity regulating kinase 4 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 166-177.	5.5	41
95	Molecular Basis of Pathogenesis of Coronaviruses: A Comparative Genomics Approach to Planetary Health to Prevent Zoonotic Outbreaks in the 21st Century. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 634-644.	2.0	41
96	Structural Model of Human PSA: A Target for Prostate Cancer Therapy. <i>Chemical Biology and Drug Design</i> , 2007, 70, 261-267.	3.2	39
97	Identification of Potential Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	39
98	B Cell Lymphoma 2: A Potential Therapeutic Target for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10442.	4.1	39
99	Identification of Functional Candidates amongst Hypothetical Proteins of <i>Treponema pallidum</i> ssp. <i>pallidum</i> . <i>PLoS ONE</i> , 2015, 10, e0124177.	2.5	38
100	Macromolecular crowding induces molten globule state in the native myoglobin at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 130-139.	7.5	38
101	Elucidation of interaction mechanism of ellagic acid to the integrin linked kinase. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 1297-1304.	7.5	38
102	Identification of Sphingosine Kinase-1 Inhibitors from Bioactive Natural Products Targeting Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 14720-14729.	3.5	38
103	SARS-CoV-2 mediated lung inflammatory responses in host: targeting the cytokine storm for therapeutic interventions. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 675-687.	3.1	38
104	Vitamin D and lumisterol novel metabolites can inhibit SARS-CoV-2 replication machinery enzymes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E246-E251.	3.5	38
105	Identification of High-Affinity Inhibitors of Cyclin-Dependent Kinase 2 Towards Anticancer Therapy. <i>Molecules</i> , 2019, 24, 4589.	3.8	37
106	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.	3.5	37
107	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.	7.5	37
108	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> , 2009, 14, 751-760.	2.6	36

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109	Thermal Stabilization of Proteins by Mono- and Oligosaccharides: Measurement and Analysis in the Context of an Excluded Volume Model. <i>Biochemistry</i> , 2015, 54, 3594-3603.	2.5	35
110	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.	7.5	35
111	Discovery of Harmaline as a Potent Inhibitor of Sphingosine Kinase-1: A Chemopreventive Role in Lung Cancer. <i>ACS Omega</i> , 2020, 5, 21550-21560.	3.5	35
112	Current Advances in the Identification and Characterization of Putative Drug and Vaccine Targets in the Bacterial Genomes. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 1040-1069.	2.1	35
113	Structural diversity of class I MHC-like molecules and its implications in binding specificities. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011, 83, 223-270.	2.3	34
114	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.	2.2	34
115	Structure prediction and functional analyses of a thermostable lipase obtained from <i>Shewanella putrefaciens</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2123-2135.	3.5	34
116	Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> , 2017, 7, 4678.	3.3	34
117	Proteomic approach for purification of seminal plasma proteins involved in tumor proliferation. <i>Journal of Separation Science</i> , 2007, 30, 1979-1988.	2.5	33
118	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.	3.4	33
119	Thienopyrimidine-Chalcone Hybrid Molecules Inhibit Fas-Activated Serine/Threonine Kinase: An Approach To Ameliorate Antiproliferation in Human Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 4173-4189.	4.6	33
120	Hesperidin-CAMKIV interaction and its impact on cell proliferation and apoptosis in the human hepatic carcinoma and neuroblastoma cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15119-15130.	2.6	33
121	Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. <i>Cancers</i> , 2021, 13, 1898.	3.7	33
122	Targeting Tau Hyperphosphorylation via Kinase Inhibition: Strategy to Address Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1059-1073.	2.1	33
123	Purification and characterization of zinc $\pm 2$ glycoprotein-Prolactin inducible protein complex from human seminal plasma. <i>Journal of Separation Science</i> , 2008, 31, 2318-2324.	2.5	32
124	Investigation of deleterious effects of nsSNPs in the <i>POT1</i> gene: a structural genomics-based approach to understand the mechanism of cancer development. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 10281-10294.	2.6	32
125	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.	3.5	32
126	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, 1493-1502.	3.5	31



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127	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, 221-228.	2.0	31
128	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.	7.5	31
129	Carbohydrate-Based Macromolecular Crowding-Induced Stabilization of Proteins: Towards Understanding the Significance of the Size of the Crowder. <i>Biomolecules</i> , 2019, 9, 477.	4.0	31
130	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.	2.4	30
131	Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115424.	3.0	30
132	Polo-like Kinase 1 as an emerging drug target: structure, function and therapeutic implications. <i>Journal of Drug Targeting</i> , 2021, 29, 168-184.	4.4	30
133	Phytoconstituents and Medicinal Plants for Anticancer Drug Discovery: Computational Identification of Potent Inhibitors of PIM1 Kinase. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 580-590.	2.0	30
134	Carbonic anhydrase IX: A tumor acidification switch in heterogeneity and chemokine regulation. <i>Seminars in Cancer Biology</i> , 2022, 86, 899-913.	9.6	30
135	Fragile histidine triad protein: structure, function, and its association with tumorigenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 333-350.	2.5	29
136	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.	3.5	29
137	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.	3.5	29
138	Synthesis and SAR studies of novel 1,2,4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. <i>Bioorganic Chemistry</i> , 2020, 98, 103754.	4.1	29
139	Heparin-binding proteins of human seminal plasma: purification and characterization. <i>Molecular Reproduction and Development</i> , 2008, 75, 1767-1774.	2.0	28
140	Conformational and thermodynamic characterization of the premolten globule state occurring during unfolding of the molten globule state of cytochrome <i>c</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 1319-1329.	2.6	28
141	Characterisation of mutations and molecular studies of type 2 von Willebrand disease. <i>Thrombosis and Haemostasis</i> , 2013, 109, 39-46.	3.4	28
142	PKR-inhibitor binds efficiently with human microtubule affinity-regulating kinase 4. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 62, 245-252.	2.4	28
143	Molecular basis of the structural stability of hemochromatosis factor <i>hHFE</i> : A combined molecular dynamic simulation and GdmCl <sub>2</sub> -induced denaturation study. <i>Biopolymers</i> , 2016, 105, 133-142.	2.4	28
144	Genome analysis of <i>Chlamydia trachomatis</i> for functional characterization of hypothetical proteins to discover novel drug targets. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 234-240.	7.5	28

#	ARTICLE	IF	CITATIONS
145	Design, synthesis, and biological evaluation of pyrimidine derivatives as potential inhibitors of human calcium/calmodulinâ€dependent protein kinase <sc>IV</sc>. <i>Chemical Biology and Drug Design</i> , 2017, 89, 741-754.	3.2	28
146	A review on the role of TANK-binding kinase 1 signaling in cancer. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 2364-2375.	7.5	28
147	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.	2.0	27
148	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.	2.2	27
149	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.	7.5	27
150	<i>Aspergillus endocarditis</i> : Diagnostic criteria and predictors of outcome, A retrospective cohort study. <i>PLoS ONE</i> , 2018, 13, e0201459.	2.5	27
151	Comparative analysis of thermal unfolding simulations of RNA recognition motifs (RRMs) of TAR DNA-binding protein 43 (TDP-43). <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 178-194.	3.5	27
152	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, 2005-2016.	3.5	26
153	Editorial (Thematic Issue: Recent Advances in the Structure-Based Drug Design and Discovery). <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 899-900.	2.1	26
154	In silico approaches for the identification of virulence candidates amongst hypothetical proteins of <i>Mycoplasma pneumoniae</i> 309. <i>Computational Biology and Chemistry</i> , 2015, 59, 67-80.	2.3	26
155	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, 1-14.	4.0	26
156	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, 490.	4.0	26
157	Capping agent-induced variation of physicochemical and biological properties of $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , 2021, 258, 123899.	4.0	26
158	Interaction of polyethylene glycol with cytochrome c investigated via in vitro and in silico approaches. <i>Scientific Reports</i> , 2021, 11, 6475.	3.3	26
159	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.	4.9	26
160	Myricetin inhibits breast and lung cancer cells proliferation via inhibiting MARK4. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 359-374.	2.6	26
161	Cloning, Expression, Purification and Refolding of Microtubule Affinity-Regulating Kinase 4 Expressed in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2838-2848.	2.9	25
162	Structural insight into C9orf72 hexanucleotide repeat expansions: Towards new therapeutic targets in FTD-ALS. <i>Neurochemistry International</i> , 2016, 100, 11-20.	3.8	25

#	ARTICLE	IF	CITATIONS
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.	3.5	25
164	Characterization of folding intermediates during urea-induced denaturation of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 881-887.	7.5	25
165	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.	1.7	25
166	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.	2.9	25
167	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.	7.5	25
168	Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 897-910.	2.6	25
169	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, 10986.	4.1	25
170	Identification of Phytoconstituents as Potent Inhibitors of Casein Kinase-1 Alpha Using Virtual Screening and Molecular Dynamics Simulations. <i>Pharmaceutics</i> , 2021, 13, 2157.	4.5	25
171	Characterization of pre-molten globule state of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25 Å°C. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1406-1418.	7.5	24
172	Ubiquitin-associated domain of MARK4 provides stability at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1147-1154.	7.5	24
173	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> , 2020, 9, 359.	4.1	24
174	Cooperative Unfolding of Residual Structure in Heat Denatured Proteins by Urea and Guanidinium Chloride. <i>PLoS ONE</i> , 2015, 10, e0128740.	2.5	24
175	Atypical PKC phosphorylates microtubule affinity-regulating kinase 4 in vitro. <i>Molecular and Cellular Biochemistry</i> , 2015, 410, 223-228.	3.1	23
176	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, 1987-1997.	3.5	23
177	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.	2.8	23
178	Investigating the role of transcription factors of pancreas development in pancreatic cancer. <i>Pancreatology</i> , 2018, 18, 184-190.	1.1	23
179	Biophysical Elucidation of Fibrillation Inhibition by Sugar Osmolytes in $\alpha$ -Lactalbumin: Multispectroscopic and Molecular Docking Approaches. <i>ACS Omega</i> , 2020, 5, 26871-26882.	3.5	23
180	Identification of plant-based hexokinase 2 inhibitors: combined molecular docking and dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10319-10331.	3.5	23

#	ARTICLE	IF	CITATIONS
181	$\beta$ 2-spectrin (SPTBN1) as a therapeutic target for diet-induced liver disease and preventing cancer development. <i>Science Translational Medicine</i> , 2021, 13, eabk2267.	12.4	23
182	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.	2.5	22
183	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, 1742-1754.	3.8	22
184	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.	3.5	22
185	Sugar osmolytes-induced stabilization of RNase A in macromolecular crowded cellular environment. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 349-357.	7.5	22
186	Design, synthesis and validation of anti-microbial coumarin derivatives: An efficient green approach. <i>Heliyon</i> , 2019, 5, e02615.	3.2	22
187	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.	3.5	22
188	Structure of the novel 14kDa fragment of $\beta$ -subunit of phycoerythrin from the starving cyanobacterium <i>Phormidium tenue</i> . <i>Journal of Structural Biology</i> , 2010, 171, 247-255.	2.8	21
189	Structural basis of urea-induced unfolding: Unraveling the folding pathway of hemochromatosis factor E. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 1051-1061.	7.5	21
190	Characterisation of molten globule-like state of sheep serum albumin at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 605-613.	7.5	21
191	Designing of phenol-based $\beta$ -carbonic anhydrase1 inhibitors through QSAR, molecular docking, and MD simulation approach. <i>3 Biotech</i> , 2018, 8, 256.	2.2	21
192	Effects of Ethylene Glycol on the Structure and Stability of Myoglobin Using Spectroscopic, Interaction, and <i>In Silico</i> Approaches: Monomer Is Different from Those of Its Polymers. <i>ACS Omega</i> , 2020, 5, 13840-13850.	3.5	21
193	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.	3.9	21
194	Functional and Structural Characterization of <i>Pediococcus pentosaceus</i> -Derived Biosurfactant and Its Biomedical Potential against Bacterial Adhesion, Quorum Sensing, and Biofilm Formation. <i>Antibiotics</i> , 2021, 10, 1371.	3.7	21
195	An In Vitro elucidation of the antiaggregatory potential of Diosmin over thermally induced unfolding of hen egg white lysozyme; A preventive quest for lysozyme amyloidosis. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 1015-1023.	7.5	20
196	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.	3.5	20
197	Thymoquinone and quercetin induce enhanced apoptosis in non-small cell lung cancer in combination through the Bax/Bcl2 cascade. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 259-274.	2.6	20
198	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.	3.0	19

#	ARTICLE	IF	CITATIONS
199	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.	3.5	19
200	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.	7.5	19
201	Solvent sensitivity of protein aggregation in Cu, Zn superoxide dismutase: a molecular dynamics simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2605-2617.	3.5	19
202	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> , 2022, 40, 4496-4506.	3.5	19
203	Guidelines and Safety Considerations in the Laboratory Diagnosis of SARS-CoV-2 Infection: A Prerequisite Study for Health Professionals. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 379-389.	2.5	19
204	Proteomic analysis of human amniotic fluid from Rh <sup>+</sup> pregnancy. <i>Prenatal Diagnosis</i> , 2008, 28, 102-108.	2.3	18
205	The SARS Coronavirus 3a protein binds calcium in its cytoplasmic domain. <i>Virus Research</i> , 2014, 191, 180-183.	2.2	18
206	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> , 2015, 19, 416-434.	2.0	18
207	Structural basis of pesticide detection by enzymatic biosensing: a molecular docking and MD simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1402-1416.	3.5	18
208	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.	7.5	18
209	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.	7.5	18
210	Impact of amino acid substitution in the kinase domain of Bruton tyrosine kinase and its association with X-linked agammaglobulinemia. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2399-2408.	7.5	18
211	Impact of Hydroxychloroquine/Chloroquine in COVID-19 Therapy: Two Sides of the Coin. <i>Journal of Interferon and Cytokine Research</i> , 2020, 40, 469-471.	1.2	18
212	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.	3.5	18
213	Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. <i>Scientific Reports</i> , 2021, 11, 10202.	3.3	18
214	Macrophage Activation Syndrome and COVID 19: Impact of MAPK Driven Immune-Epigenetic Programming by SARS-Cov-2. <i>Frontiers in Immunology</i> , 2021, 12, 763313.	4.8	18
215	Implications of tempol in pyruvate dehydrogenase kinase 3 targeted anticancer therapeutics: Computational, spectroscopic, and calorimetric studies. <i>Journal of Molecular Liquids</i> , 2022, 350, 118581.	4.9	18
216	Sequence and stability of the goat cytochrome c. <i>Biophysical Chemistry</i> , 2008, 138, 23-28.	2.8	17

#	ARTICLE	IF	CITATIONS
217	Towards understanding cellular structure biology: In-cell NMR. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 547-557.	2.3	17
218	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.	7.5	17
219	Structural and functional impact of non-synonymous SNPs in the CST complex subunit TEN1: structural genomics approach. <i>Bioscience Reports</i> , 2019, 39, .	2.4	17
220	Strategy for sensitive and specific detection of molecular forms of PSA based on 2DE and kinetic analysis: A step towards diagnosis of prostate cancer. <i>Clinica Chimica Acta</i> , 2009, 403, 17-22.	1.1	16
221	Heterogeneity of Equilibrium Molten Globule State of Cytochrome c Induced by Weak Salt Denaturants under Physiological Condition. <i>PLoS ONE</i> , 2015, 10, e0120465.	2.5	16
222	Identification of functional candidates amongst hypothetical proteins of <i>Mycobacterium leprae</i> Br4923, a causative agent of leprosy. <i>Genome</i> , 2015, 58, 25-42.	2.0	16
223	GdnHCl-induced unfolding intermediate in the mitochondrial carbonic anhydrase VA. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 1151-1160.	7.5	16
224	Human microtubule affinity-regulating kinase 4 is stable at extremes of pH. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1241-1251.	3.5	16
225	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.	3.5	16
226	Implication of sulfonyleurea derivatives as prospective inhibitors of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 961-969.	7.5	16
227	Phosphorylation-induced changes in the energetic frustration in human Tank binding kinase 1. <i>Journal of Theoretical Biology</i> , 2018, 449, 14-22.	1.7	16
228	Revisiting the physicochemical properties of Hematite ( $\text{Fe}_2\text{O}_3$ ) nanoparticle and exploring its bio-environmental application. <i>Materials Research Express</i> , 2019, 6, 095072.	1.6	16
229	Identification and structure-activity relationship (SAR) studies of carvacrol derivatives as potential anti-malarial against <i>Plasmodium falciparum</i> falcipain-2 protease. <i>Bioorganic Chemistry</i> , 2020, 103, 104142.	4.1	16
230	Design and Development of Small-Molecule Arylaldoxime/5-Nitroimidazole Hybrids as Potent Inhibitors of MARK4: A Promising Approach for Target-Based Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 22759-22771.	3.5	16
231	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.	7.5	16
232	Impact of non-synonymous mutations on the structure and function of telomeric repeat binding factor 1. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9053-9066.	3.5	16
233	Plant cytochrome P450s: Role in stress tolerance and potential applications for human welfare. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 874-886.	7.5	16
234	Therapeutic targeting of PIM KINASE signaling in cancer therapy: Structural and clinical prospects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129995.	2.4	16

#	ARTICLE	IF	CITATIONS
235	Functional Role of Glutamine 28 and Arginine 39 in Double Stranded RNA Cleavage by Human Pancreatic Ribonuclease. <i>PLoS ONE</i> , 2011, 6, e17159.	2.5	16
236	Inhibition of PDK3 by artemisinin, a repurposed antimalarial drug in cancer therapy. <i>Journal of Molecular Liquids</i> , 2022, 355, 118928.	4.9	16
237	Structure-based functional annotation of putative conserved proteins having lyase activity from <i>Haemophilus influenzae</i> . <i>3 Biotech</i> , 2015, 5, 317-336.	2.2	15
238	Structural and thermodynamic characterisation of L94F mutant of horse cytochrome c. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 202-212.	7.5	15
239	Monocyclic $\beta$ -lactam and unexpected oxazinone formation: synthesis, crystal structure, docking studies and antibacterial evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 834-852.	5.2	15
240	Unravelling the unfolding mechanism of human integrin linked kinase by GdmCl-induced denaturation. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 1252-1263.	7.5	15
241	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , 2020, 10, 882.	4.0	15
242	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.	0.7	15
243	Molecular modeling and simulation of the human eNOS reductase domain, an enzyme involved in the release of vascular nitric oxide. <i>Journal of Molecular Modeling</i> , 2014, 20, 2470.	1.8	14
244	Structure-based function analysis of putative conserved proteins with isomerase activity from <i>Haemophilus influenzae</i> . <i>3 Biotech</i> , 2015, 5, 741-763.	2.2	14
245	Synthesis, estrogen receptor binding affinity and molecular docking of pyrimidine-piperazine-chromene and -quinoline conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4493-4499.	2.2	14
246	Understanding the Role and Mechanism of Carbonic Anhydrase V in Obesity and its Therapeutic Implications. <i>Current Protein and Peptide Science</i> , 2018, 19, 909-923.	1.4	14
247	Mechanistic insights into the urea-induced denaturation of human sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1496-1505.	7.5	14
248	Discovery of 4-(2-(dimethylamino)ethoxy)benzohydrazide derivatives as prospective microtubule affinity regulating kinase 4 inhibitors. <i>RSC Advances</i> , 2020, 10, 20129-20137.	3.6	14
249	Modulatory Role of Quercetin in Mitochondrial Dysfunction in Titanium Dioxide Nanoparticle-Induced Hepatotoxicity. <i>ACS Omega</i> , 2022, 7, 3192-3202.	3.5	14
250	Bioactive phytoconstituents as potent inhibitors of casein kinase-2: dual implications in cancer and COVID-19 therapeutics. <i>RSC Advances</i> , 2022, 12, 7872-7882.	3.6	14
251	Cloning, expression, purification and characterization of human mitochondrial carbonic anhydrase VA. <i>3 Biotech</i> , 2016, 6, 16.	2.2	13
252	Effect of dextran on the thermodynamic stability and structure of ribonuclease A. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 181-189.	2.2	13

#	ARTICLE	IF	CITATIONS
253	Design, synthesis, in silico and biological evaluation of novel 2-(4-(4-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 To (	3.9	13
254	QSAR based therapeutic management of M. tuberculosis. Archives of Pharmacal Research, 2017, 40, 676-694.	6.3	13
255	Estimation of pH effect on the structure and stability of kinase domain of human integrin-linked kinase. Journal of Biomolecular Structure and Dynamics, 2019, 37, 156-165.	3.5	13
256	Identification of morpholine based hydroxylamine analogues: selective inhibitors of MARK4/Par-1d causing cancer cell death through apoptosis. New Journal of Chemistry, 2020, 44, 16626-16637.	2.8	13
257	Molecular Modeling of Chemosensory Protein 3 from Spodoptera litura and Its Binding Property with Plant Defensive Metabolites. International Journal of Molecular Sciences, 2020, 21, 4073.	4.1	13
258	Design and Development of Novel Urea, Sulfonylurea, and Sulfonamide Derivatives as Potential Inhibitors of Sphingosine Kinase 1. Pharmaceuticals, 2020, 13, 118.	3.8	13
259	Multispectroscopic and Molecular Docking Insight into Elucidating the Interaction of Irisin with Rivastigmine Tartrate: A Combinational Therapy Approach to Fight Alzheimer's Disease. ACS Omega, 2021, 6, 7910-7921.	3.5	13
260	Identification of Interfacial Residues Involved in Hepcidin-Ferroportin Interaction. Letters in Drug Design and Discovery, 2014, 11, 363-374.	0.7	13
261	Investigating single amino acid substitutions in PIM1 kinase: A structural genomics approach. PLoS ONE, 2021, 16, e0258929.	2.5	13
262	Folding and stability studies on C-PE and its natural N-terminal truncant. Archives of Biochemistry and Biophysics, 2014, 545, 9-21.	3.0	12
263	Purification and structural characterization of Mce4A from Mycobacterium tuberculosis. International Journal of Biological Macromolecules, 2016, 93, 235-241.	7.5	12
264	Probing pH sensitivity of $\hat{I}\pm$ C-phycoerythrin and its natural truncant: A comparative study. International Journal of Biological Macromolecules, 2016, 86, 18-27.	7.5	12
265	Denatured states of yeast cytochrome <i>c</i> induced by heat and guanidinium chloride are structurally and thermodynamically different. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1420-1435.	3.5	12
266	Structural insights into Rab21 GTPase activation mechanism by molecular dynamics simulations. Molecular Simulation, 2018, 44, 179-189.	2.0	12
267	Visualization of thiamine in living cells using genetically encoded fluorescent nanosensor. Biochemical Engineering Journal, 2019, 146, 170-178.	3.6	12
268	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. International Journal of Biological Macromolecules, 2020, 147, 177-186.	7.5	12
269	Mechanistic insights into the pathogenesis of neurodegenerative diseases: towards the development of effective therapy. Molecular and Cellular Biochemistry, 2021, 476, 2739-2752.	3.1	12
270	Structural Refolding and Thermal Stability of Myoglobin in the Presence of Mixture of Crowders: Importance of Various Interactions for Protein Stabilization in Crowded Conditions. Molecules, 2021, 26, 2807.	3.8	12



#	ARTICLE	IF	CITATIONS
271	Aurora B kinase: a potential drug target for cancer therapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 2187-2198.	2.5	12
272	Discovery of Natural Compounds as Potential Inhibitors of Human Carbonic Anhydrase II: An Integrated Virtual Screening, Docking, and Molecular Dynamics Simulation Study. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 513-524.	2.0	12
273	Clinical features and mechanistic insights into drug repurposing for combating COVID-19. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 142, 106114.	2.8	12
274	Impact of Deleterious Mutations on Structure, Function and Stability of Serum/Glucocorticoid Regulated Kinase 1: A Gene to Diseases Correlation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 780284.	3.5	12
275	Cadmium-Tolerant Plant Growth-Promoting Bacteria <i>Curtobacterium oceanosedimentum</i> Improves Growth Attributes and Strengthens Antioxidant System in Chili ( <i>Capsicum frutescens</i> ). <i>Sustainability</i> , 2022, 14, 4335.	3.2	12
276	Inhibition of MARK4 by serotonin as an attractive therapeutic approach to combat Alzheimer's disease and neuroinflammation. <i>RSC Medicinal Chemistry</i> , 2022, 13, 737-745.	3.9	12
277	Investigating binding mechanism of thymoquinone to human transferrin, targeting Alzheimer's disease therapy. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 1381-1393.	2.6	12
278	Heme-iron ligand (M80-Fe) in cytochrome c is destabilizing: combined in vitro and in silico 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.	3.5	11
279	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.	3.9	11
280	Trehalose Restrains the Fibril Load towards $\beta$ -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , 2021, 11, 414.	4.0	11
281	Impact of single amino acid substitution on the structure and function of TANK-binding kinase-1. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1475-1490.	2.6	11
282	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.	3.6	11
283	Identification of intrinsically disorder regions in non-structural proteins of SARS-CoV-2: New insights into drug and vaccine resistance. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1607-1619.	3.1	11
284	Purification and characterization of Ras related protein, Rab5a from <i>Tinospora cordifolia</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 82, 471-479.	7.5	10
285	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.	7.5	10
286	Design and development of 5-(4H)-oxazolones as potential inhibitors of human carbonic anhydrase VA: towards therapeutic management of diabetes and obesity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3144-3154.	3.5	10
287	Investigation of sphingosine kinase 1 inhibitory potential of cinchonine and colcemid targeting anticancer therapy. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6350-6362.	3.5	10
288	Bioactive Phytoconstituents as Potent Inhibitors of Tyrosine-Protein Kinase Yes (YES1): Implications in Anticancer Therapeutics. <i>Molecules</i> , 2022, 27, 3060.	3.8	10

#	ARTICLE	IF	CITATIONS
289	Inhibiting Cyclin-Dependent Kinase 6 by Taurine: Implications in Anticancer Therapeutics. ACS Omega, 2022, 7, 25844-25852.	3.5	10
290	Mechanistic insights into the urea-induced denaturation of a non-seleno thiol specific antioxidant human peroxiredoxin 6. International Journal of Biological Macromolecules, 2020, 161, 1171-1180.	7.5	9
291	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. Journal of Molecular Liquids, 2021, 342, 117502.	4.9	9
292	Therapeutic management of COVID-19 patients: Clinical manifestation and limitations. Current Pharmaceutical Design, 2020, 26, 4223-4231.	1.9	9
293	Time-dependent study of graphene oxide-trypsin adsorption interface and visualization of nano-protein corona. International Journal of Biological Macromolecules, 2020, 163, 2259-2269.	7.5	9
294	Exploring binding mechanism of naringenin to human transferrin using combined spectroscopic and computational methods: Towards therapeutic targeting of neurodegenerative diseases. Journal of Molecular Liquids, 2022, 356, 119001.	4.9	9
295	Effect of mammalian kidney osmolytes on the folding pathway of sheep serum albumin. International Journal of Biological Macromolecules, 2017, 97, 625-634.	7.5	8
296	Effect of conservative mutations (L94V and L94I) on the structure and stability of horse cytochrome c. Archives of Biochemistry and Biophysics, 2017, 633, 40-49.	3.0	8
297	Exploring Missense Mutations in Tyrosine Kinases Implicated with Neurodegeneration. Molecular Neurobiology, 2017, 54, 5085-5106.	4.0	8
298	Molecular dynamics simulation of chitinase I from <i>Thermomyces lanuginosus</i> SSBP to ensure optimal activity. Molecular Simulation, 2017, 43, 480-490.	2.0	8
299	Structural and conformational behavior of MurE ligase from <i>Salmonella enterica</i> serovar Typhi at different temperature and pH conditions. International Journal of Biological Macromolecules, 2020, 150, 389-399.	7.5	8
300	Impact of glioblastoma multiforme associated mutations on the structure and function of MAP/microtubule affinity regulating kinase 4. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1781-1794.	3.5	8
301	Exploring the molecular interactions of Galantamine with human Transferrin: In-silico and in vitro insight. Journal of Molecular Liquids, 2021, 335, 116227.	4.9	8
302	Spectroscopic, calorimetric and in silico insight into the molecular interactions of Memantine with human transferrin: Implications of Alzheimer's drugs. International Journal of Biological Macromolecules, 2021, 190, 660-666.	7.5	8
303	Functional Insight into Putative Conserved Proteins of <i>Rickettsia rickettsii</i> and their Virulence Characterization. Current Proteomics, 2015, 12, 101-116.	0.3	8
304	Containment strategies for COVID-19 in India: lessons from the second wave. Expert Review of Anti-Infective Therapy, 2022, , 1-7.	4.4	8
305	Effect of pH on the structure and function of cyclin-dependent kinase 6. PLoS ONE, 2022, 17, e0263693.	2.5	8
306	Novel missense mutation in FHIT gene: interpreting the effect in HPV-mediated cervical cancer in Indian women. Molecular and Cellular Biochemistry, 2010, 335, 53-58.	3.1	7

#	ARTICLE	IF	CITATIONS
307	Data on the role of accessible surface area on osmolytes-induced protein stabilization. <i>Data in Brief</i> , 2017, 10, 47-56.	1.0	7
308	Biophysical Insights into Implications of PEG-400 on the $\hat{I}\pm$ -Crystallin Structure: Multispectroscopic and Microscopic Approach. <i>ACS Omega</i> , 2020, 5, 19210-19216.	3.5	7
309	5-Fluorouracil (5-FU)-based Aza-Michael addition product: A selective carbonic anhydrase IX inhibitor. <i>Journal of Molecular Structure</i> , 2021, 1231, 129977.	3.6	7
310	Interaction between Basic 7S Globulin and Leginsulin in Soybean [ <i>Glycine max</i> ]: A Structural Insight. <i>Letters in Drug Design and Discovery</i> , 2013, 11, 231-239.	0.7	7
311	Unraveling the Binding Mechanism of Alzheimer's™s Drugs with Irisin: Spectroscopic, Calorimetric, and Computational Approaches. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5965.	4.1	7
312	Death-Associated Protein Kinase 3 Inhibitors Identified by Virtual Screening for Drug Discovery in Cancer and Hypertension. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 404-413.	2.0	7
313	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.	2.3	6
314	Fas-activated serine/threonine kinase: Structure and function. <i>Gene Reports</i> , 2017, 8, 117-127.	0.8	6
315	Carbonic Anhydrase II Based Biosensing of Carbon Dioxide at High Temperature: An Analytical and MD Simulation Study. <i>Journal of Bioremediation &amp; Biodegradation</i> , 2018, 09, .	0.5	6
316	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.	7.5	6
317	Concentration dependent effect of ethylene glycol on the structure and stability of holo $\hat{I}\pm$ -lactalbumin: Characterization of intermediate state amidst soft interactions. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2151-2161.	7.5	6
318	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.	2.7	6
319	Targeting metacaspase-3 from <i>Plasmodium falciparum</i> towards antimalarial therapy: A combined approach of <i>in-silico</i> and <i>in-vitro</i> investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 421-430.	3.5	6
320	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.	7.5	6
321	Design, synthesis, and biological evaluation of novel benzimidazole derivatives as sphingosine kinase 1 inhibitor. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100080.	4.1	6
322	Comparative analysis of web-based programs for single amino acid substitutions in proteins. <i>PLoS ONE</i> , 2022, 17, e0267084.	2.5	6
323	Infection Dynamics of ATG8 in <i>Leishmania</i> : Balancing Autophagy for Therapeutics. <i>Molecules</i> , 2022, 27, 3142.	3.8	6
324	Purification and Characterization of Calreticulin: a $Ca^{2+}$ -Binding Chaperone from Sheep Kidney. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1771-1783.	2.9	5

#	ARTICLE	IF	CITATIONS
325	Computational characterization and in vivo expression of squalene synthase gene in different tissues of <i>Artemisia annua</i> L. plants. <i>South African Journal of Botany</i> , 2016, 105, 169-177.	2.5	5
326	Estimation of structure and stability of MurE ligase from <i>Salmonella enterica</i> serovar Typhi. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 375-382.	7.5	5
327	Effects of Pro1266Leu mutation on structure and function of glycoprotein Ib binding domain of von Willebrand factor. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 17847-17857.	2.6	5
328	A computational study on active constituents of Habb-ul-aas and Tabasheer as inhibitors of SARS-CoV-2 main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-12.	3.5	5
329	Design and development of novel inhibitors of aldo-ketoreductase 1C1 as potential lead molecules in treatment of breast cancer. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2975-2987.	3.1	5
330	Mechanistic insights into the role of serum-glucocorticoid kinase 1 in diabetic nephropathy: A systematic review. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 562-573.	7.5	5
331	Neurodegenerative brain models vs. cell replacement or restoration therapy: A review on promises and pitfalls. <i>Biochemical and Biophysical Research Communications</i> , 2021, 585, 124-131.	2.1	5
332	Kinetic and Structural Studies on the Interactions of Heparin and Proteins of Human Seminal Plasma using Surface Plasmon Resonance. <i>Protein and Peptide Letters</i> , 2012, 19, 795-803.	0.9	4
333	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.	0.3	4
334	Classification and structural analyses of mutational landscapes in hemochromatosis factor E protein: A protein defective in the hereditary hemochromatosis. <i>Gene Reports</i> , 2017, 6, 93-102.	0.8	4
335	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.	7.5	4
336	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.	7.5	4
337	Pharmacological Activities of Novel Chromene Derivatives as Calcium/Calmodulin Dependent Protein Kinase IV (CAMKIV) Inhibitors. <i>ChemistrySelect</i> , 2020, 5, 498-505.	1.5	4
338	Emerging role of protein kinases in diabetes mellitus: From mechanism to therapy. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 124, 47-85.	2.3	4
339	Deciphering the potent application of nanobentonite and $\text{Fe}_2\text{O}_3$ /bentonite nanocomposite in dye removal: revisiting the insights of adsorption mechanism. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 883-897.	3.1	4
340	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.	7.5	4
341	Despite an Extensive Sequence Analysis Identification of Functional Candidates Amongst Hypothetical Proteins of <i>Neisseria gonorrhoeae</i> . <i>Letters in Drug Design and Discovery</i> , 2016, 13, 451-464.	0.7	4
342	Ultra-sensitive techniques for detecting neurological biomarkers: Prospects for early diagnosis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 584, 15-18.	2.1	4

#	ARTICLE	IF	CITATIONS
343	Impact of Single Amino Acid Substitutions in Parkinsonism-Associated Deglycase-PARK7 and Their Association with Parkinson's Disease. <i>Journal of Personalized Medicine</i> , 2022, 12, 220.	2.5	4
344	Target-Based Virtual Screening of Natural Compounds Identifies a Potent Antimalarial With Selective Falcipain-2 Inhibitory Activity. <i>Frontiers in Pharmacology</i> , 2022, 13, 850176.	3.5	4
345	Frustration analysis of TBK1 missense mutations reported in ALS/FTD and cancer patients. <i>3 Biotech</i> , 2022, 12, .	2.2	4
346	Sperm membrane lipid liposomes can evoke an effective immune response against encapsulated antigen in BALB/c mice. <i>Vaccine</i> , 2008, 26, 5874-5882.	3.8	3
347	A pH based molecular dynamics simulations of chitinase II isolated from <i>Thermomyces lanuginosus</i> SSBP. <i>Cogent Biology</i> , 2016, 2, 1168336.	1.7	3
348	Purification and characterization of RGA2, a Rho2 GTPase-activating protein from <i>Tinospora cordifolia</i> . <i>3 Biotech</i> , 2016, 6, 85.	2.2	3
349	Human Disease Insight: An integrated knowledge-based platform for disease-gene-drug information. <i>Journal of Infection and Public Health</i> , 2016, 9, 331-338.	4.1	3
350	Classification and Functional Analyses of Putative Conserved Proteins from <i>Chlamydomonas reinhardtii</i> CWL029. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017, 9, 96-106.	3.6	3
351	Purification, preliminary X-ray crystallography and biophysical studies of triose phosphate isomerase- $\beta$ -globin subunit complex. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 746-753.	7.5	3
352	Mechanism and implications of traditional Chinese medicine in amyotrophic lateral sclerosis therapy. <i>Journal of Proteins and Proteomics</i> , 2019, 10, 131.	1.5	3
353	The structural basis of acid resistance in <i>Mycobacterium tuberculosis</i> : insights from multiple pH regime molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4483-4492.	3.5	3
354	Urea Stress: Myo-inositol's efficacy to counteract destabilization of TIM- $\beta$ -globin complex by urea is as good as that of the methylamine. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1108-1115.	7.5	3
355	Stability of uniformly labeled ( $^{13}\text{C}$ and $^{15}\text{N}$ ) cytochrome c and its L94G mutant. <i>Scientific Reports</i> , 2021, 11, 6804.	3.3	3
356	Structural insights into the transient closed conformation and pH dependent ATPase activity of <i>S. Typhi</i> GyraseB N- terminal domain. <i>Archives of Biochemistry and Biophysics</i> , 2021, 701, 108786.	3.0	3
357	Design and synthesis of new pyrazolylbenzimidazoles as sphingosine kinase-1 inhibitors. <i>Medicinal Chemistry Research</i> , 2021, 30, 1614-1634.	2.4	3
358	Differential gene expression and network analysis in head and neck squamous cell carcinoma. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1361-1370.	3.1	3
359	Insights into the Antibacterial Activity of Prolactin-Inducible Protein against the Standard and Environmental MDR Bacterial Strains. <i>Microorganisms</i> , 2022, 10, 597.	3.6	3
360	Discovering Tuberosin and Villosol as Potent and Selective Inhibitors of AKT1 for Therapeutic Targeting of Oral Squamous Cell Carcinoma. <i>Journal of Personalized Medicine</i> , 2022, 12, 1083.	2.5	3

#	ARTICLE	IF	CITATIONS
361	Human seminal proteinase and prostate-specific antigen are the same protein. <i>Journal of Biosciences</i> , 2008, 33, 195-207.	1.1	2
362	Comparative Studies on the Aggregation Behavior of HBPs from Human Seminal Plasma by Dynamic Light Scattering. <i>Protein and Peptide Letters</i> , 2008, 15, 633-639.	0.9	2
363	Effect of chemical denaturants on the conformational stability of GyrB subunit of DNA gyrase from <i>Salmonella enterica</i> serovar Typhi. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 165-174.	7.5	2
364	Structure-Guided Approach to Identify Potential Inhibitors of Large Envelope Protein to Prevent Hepatitis B Virus Infection. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	2
365	Investigating the structural features of chromodomain proteins in the human genome and predictive impacts of their mutations in cancers. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 1101-1116.	7.5	2
366	Investigation of the role of central metal ion of <i>Cyathus bulleri</i> laccase 1 using guanidinium chloride-induced denaturation. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 994-1000.	7.5	2
367	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.	2.0	2
368	Structural analyses and classification of novel isoniazid resistance coupled mutational landscapes in <i>Mycobacterium tuberculosis</i> : a combined molecular docking and MD simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-10.	3.5	2
369	Emerging therapeutic approaches to COVID-19. <i>Current Pharmaceutical Design</i> , 2021, 27, 3370-3388.	1.9	2
370	Sequence and structure-based method to predict diacylglycerol lipases in protein sequence. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 455-463.	7.5	2
371	PEG mediated destabilization of holo $\alpha$ -lactalbumin probed by <i>in silico</i> and <i>in vitro</i> studies: deviation from excluded volume effect. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 13265-13277.	3.5	2
372	Investigating host-virus interaction mechanism and phylogenetic analysis of viral proteins involved in the pathogenesis. <i>PLoS ONE</i> , 2021, 16, e0261497.	2.5	2
373	Fluorescent Dye Conjugates of Rabbit Arylsulfatase A as a Biological Tracer for Protein Endocytosis. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 972-979.	2.9	1
374	97. <i>Cytokine</i> , 2014, 70, 51.	3.2	1
375	A study of recombinant human sestrin 1 and sestrin 2 proteins produced in a prokaryotic system. <i>Molecular Biology</i> , 2017, 51, 416-425.	1.3	1
376	Backbone and side chain $^1\text{H}$ , $^{15}\text{N}$ and $^{13}\text{C}$ chemical shift assignments of the molten globule state of L94G mutant of horse cytochrome-c. <i>Biomolecular NMR Assignments</i> , 2020, 14, 37-44.	0.8	1
377	Functional and Structural Analysis of Predicted Proteins Obtained from <i>Homo sapiens</i> ™ Minisatellite 33.15-Tagged Transcript pAKT-45 Variants. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	1
378	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.	3.5	1

#	ARTICLE	IF	CITATIONS
379	Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1. ACS Omega, 2021, 6, 33985-33994.	3.5	1
380	Structure Guided Design and Development of High Affinity Selective Kinase Inhibitor: A Newer Therapeutic Approach to Attenuate Hepatocellular Carcinoma. Hpb, 2019, 21, S244.	0.3	0
381	Classification and functional analyses of putative virulence factors of Mycobacterium tuberculosis: A combined sequence and structure based study. Computational Biology and Chemistry, 2020, 87, 107270.	2.3	0
382	Structure Based Identification of Potential Inhibitors of NS3 Protein of Zika Virus. Letters in Drug Design and Discovery, 2019, 16, 761-774.	0.7	0
383	Insight into the Conformational Transitions of Serine Acetyl Transferase Isoforms in <i>E. histolytica</i> : Implications for Structural and Functional Balance. ACS Omega, 2022, 7, 24626-24637.	3.5	0