

Md Imtaiyaz Hassan

List of Publications by Year in descending order

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Version: 2024-02-01

383
papers

11,458
citations

36299

51
h-index

76898

74
g-index

390
all docs

390
docs citations

390
times ranked

9193
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the potent application of nanobentonite and $\hat{\pm}$ -Fe ₂ 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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	PEG mediated destabilization of holo $\hat{\pm}$ -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
11	Myricetin inhibits breast and lung cancer cells proliferation via inhibiting MARK4. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 359-374.	2.6	26
12	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
13	Containment strategies for COVID-19 in India: lessons from the second wave. <i>Expert Review of Anti-Infective Therapy</i> , 2022, , 1-7.	4.4	8
14	Modulatory Role of Quercetin in Mitochondrial Dysfunction in Titanium Dioxide Nanoparticle-Induced Hepatotoxicity. <i>ACS Omega</i> , 2022, 7, 3192-3202.	3.5	14
15	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
16	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
17	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
18	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

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19	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
20	Effect of pH on the structure and function of cyclin-dependent kinase 6. <i>PLoS ONE</i> , 2022, 17, e0263693.	2.5	8
21	FNDC5/Irisin: Physiology and Pathophysiology. <i>Molecules</i> , 2022, 27, 1118.	3.8	56
22	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
23	Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 272.	3.8	43
24	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
25	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
26	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
27	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
28	Biomedical features and therapeutic potential of rosmarinic acid. <i>Archives of Pharmacal Research</i> , 2022, 45, 205-228.	6.3	51
29	Inhibition of PDK3 by artemisinin, a repurposed antimalarial drug in cancer therapy. <i>Journal of Molecular Liquids</i> , 2022, 355, 118928.	4.9	16
30	Exploring binding mechanism of naringenin to human transferrin using combined spectroscopic and computational methods: Towards therapeutic targeting of neurodegenerative diseases. <i>Journal of Molecular Liquids</i> , 2022, 356, 119001.	4.9	9
31	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
32	Comparative analysis of web-based programs for single amino acid substitutions in proteins. <i>PLoS ONE</i> , 2022, 17, e0267084.	2.5	6
33	Bioactive Phytoconstituents as Potent Inhibitors of Tyrosine-Protein Kinase Yes (YES1): Implications in Anticancer Therapeutics. <i>Molecules</i> , 2022, 27, 3060.	3.8	10
34	Infection Dynamics of ATG8 in Leishmania: Balancing Autophagy for Therapeutics. <i>Molecules</i> , 2022, 27, 3142.	3.8	6
35	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
36	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

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37	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
38	Inhibiting Cyclin-Dependent Kinase 6 by Taurine: Implications in Anticancer Therapeutics. <i>ACS Omega</i> , 2022, 7, 25844-25852.	3.5	10
39	Frustration analysis of TBK1 missense mutations reported in ALS/FTD and cancer patients. <i>3 Biotech</i> , 2022, 12, .	2.2	4
40	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
41	Insight into the Conformational Transitions of Serine Acetyl Transferase Isoforms in <i>E. histolytica</i> : Implications for Structural and Functional Balance. <i>ACS Omega</i> , 2022, 7, 24626-24637.	3.5	0
42	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
43	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
44	Impact of glioblastoma multiforme associated mutations on the structure and function of MAP/microtubule affinity regulating kinase 4. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1781-1794.	3.5	8
45	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
46	Capping agent-induced variation of physicochemical and biological properties of \pm -Fe ₂ O ₃ nanoparticles. <i>Materials Chemistry and Physics</i> , 2021, 258, 123899.	4.0	26
47	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
48	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
49	Diagnostic approaches in COVID-19: clinical updates. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 197-212.	2.5	43
50	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
51	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
52	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
53	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
54	Emerging therapeutic approaches to COVID-19. <i>Current Pharmaceutical Design</i> , 2021, 27, 3370-3388.	1.9	2

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55	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
56	Trehalose Restrains the Fibril Load towards β -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , 2021, 11, 414.	4.0	11
57	Mechanistic insights into the pathogenesis of neurodegenerative diseases: towards the development of effective therapy. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2739-2752.	3.1	12
58	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.	3.5	13
59	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
60	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
61	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
62	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
63	Stability of uniformly labeled (^{13}C and ^{15}N) cytochrome c and its L94G mutant. <i>Scientific Reports</i> , 2021, 11, 6804.	3.3	3
64	Structural insights into the transient closed conformation and pH dependent ATPase activity of S.Typhi GyraseB N- terminal domain. <i>Archives of Biochemistry and Biophysics</i> , 2021, 701, 108786.	3.0	3
65	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
66	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
67	Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. <i>Cancers</i> , 2021, 13, 1898.	3.7	33
68	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
69	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, 2807.	3.8	12
70	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
71	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
72	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

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73	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
74	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
75	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
76	Design and synthesis of new pyrazolylbenzimidazoles as sphingosine kinase-1 inhibitors. <i>Medicinal Chemistry Research</i> , 2021, 30, 1614-1634.	2.4	3
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	Exploring the molecular interactions of Galantamine with human Transferrin: In-silico and in vitro insight. <i>Journal of Molecular Liquids</i> , 2021, 335, 116227.	4.9	8
86	B Cell Lymphoma 2: A Potential Therapeutic Target for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10442.	4.1	39
87	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
88	Implications of the second wave of COVID-19 in India. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, e93-e94.	10.7	106
89	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
90	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

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91	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
92	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.	4.9	9
93	Spectroscopic, calorimetric and in silico insight into the molecular interactions of Memantine with human transferrin: Implications of Alzheimer's drugs. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 660-666.	7.5	8
94	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
95	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
96	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
97	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
98	Investigating single amino acid substitutions in PIM1 kinase: A structural genomics approach. <i>PLoS ONE</i> , 2021, 16, e0258929.	2.5	13
99	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
100	Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12162.	4.1	42
101	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
102	Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1. <i>ACS Omega</i> , 2021, 6, 33985-33994.	3.5	1
103	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
104	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
105	β 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
106	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
107	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
108	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

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109	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
110	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
111	Virtual high-throughput screening of natural compounds in-search of potential inhibitors for protection of telomeres 1 (POT1). <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4625-4634.	3.5	32
112	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
113	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
114	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
115	Backbone and side chain ¹ H, ¹⁵ N and ¹³ 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
116	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 177-186.	7.5	12
117	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
118	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , 2020, 82, 106316.	4.8	45
119	Urea Stress: Myo-inositol's efficacy to counteract destabilization of TIM- β 2-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
120	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
121	Functional and Structural Analysis of Predicted Proteins Obtained from Homo sapiens Minisatellite 33.15-Tagged Transcript pAKT-45 Variants. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	1
122	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 27480-27491.	3.5	48
123	Chitin and its derivatives: Structural properties and biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 526-539.	7.5	105
124	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
125	Heme-iron ligand (M80-Fe) in cytochrome c is destabilizing: combined <i>in vitro</i> and <i>in silico</i> 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
126	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

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127	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
128	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
129	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
130	Concentration dependent effect of ethylene glycol on the structure and stability of holo α -lactalbumin: Characterization of intermediate state amidst soft interactions. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2151-2161.	7.5	6
131	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
132	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
133	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
134	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
135	Identification of morpholine based hydroxylamine analogues: selective inhibitors of MARK4/Par-1d causing cancer cell death through apoptosis. <i>New Journal of Chemistry</i> , 2020, 44, 16626-16637.	2.8	13
136	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
137	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
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