

# Md Imtaiyaz Hassan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370 papers	7,114 citations	41 h-index	58 g-index
390 ext. papers	9,161 ext. citations	4.7 avg, IF	6.72 L-index

#	Paper	IF	Citations
370	Modulatory Role of Quercetin in Mitochondrial Dysfunction in Titanium Dioxide Nanoparticle-Induced Hepatotoxicity.. <i>ACS Omega</i> , <b>2022</b> , 7, 3192-3202	3.9	1
369	Carbonic anhydrase IX: A tumor acidification switch in heterogeneity and chemokine regulation.. <i>Seminars in Cancer Biology</i> , <b>2022</b> ,	12.7	4
368	Natural products can be used in therapeutic management of COVID-19: Probable mechanistic insights.. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 147, 112658	7.5	7
367	Implications of tempol in pyruvate dehydrogenase kinase 3 targeted anticancer therapeutics: Computational, spectroscopic, and calorimetric studies. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 350, 118581	6	6
366	Impact of Single Amino Acid Substitutions in Parkinsonism-Associated Deglycase-PARK7 and Their Association with Parkinson's Disease.. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12,	3.6	2
365	Differential gene expression and network analysis in head and neck squamous cell carcinoma.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 1	4.2	
364	Effect of pH on the structure and function of cyclin-dependent kinase 6.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263693	3.7	0
363	FNDC5/Irisin: Physiology and Pathophysiology.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	3
362	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> , <b>2022</b> , 1252, 132141	3.4	2
361	Bioactive phytoconstituents as potent inhibitors of casein kinase-2: dual implications in cancer and COVID-19 therapeutics.. <i>RSC Advances</i> , <b>2022</b> , 12, 7872-7882	3.7	2
360	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> , <b>2022</b> , 477, 1607	4.2	0
359	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> , <b>2022</b> , 14, 4335	3.6	1
358	Target-Based Virtual Screening of Natural Compounds Identifies a Potent Antimalarial With Selective Falcipain-2 Inhibitory Activity.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 850176	5.6	1
357	Biomedical features and therapeutic potential of rosmarinic acid.. <i>Archives of Pharmacol Research</i> , <b>2022</b> , 1	6.1	3
356	Inhibition of PDK3 by artemisinin, a repurposed antimalarial drug in cancer therapy. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 355, 118928	6	5
355	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> , <b>2022</b> , 356, 119001	6	1
354	Comparative analysis of web-based programs for single amino acid substitutions in proteins.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267084	3.7	0

353	Bioactive Phytoconstituents as Potent Inhibitors of Tyrosine-Protein Kinase Yes (YES1): Implications in Anticancer Therapeutics. <i>Molecules</i> , <b>2022</b> , 27, 3060	4.8	0
352	Infection Dynamics of ATG8 in Leishmania: Balancing Autophagy for Therapeutics. <i>Molecules</i> , <b>2022</b> , 27, 3142	4.8	0
351	Unraveling the Binding Mechanism of Alzheimer's Drugs with Irisin: Spectroscopic, Calorimetric, and Computational Approaches. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5965	6.3	1
350	Investigating host-virus interaction mechanism and phylogenetic analysis of viral proteins involved in the pathogenesis.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0261497	3.7	1
349	Investigating single amino acid substitutions in PIM1 kinase: A structural genomics approach. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258929	3.7	5
348	Clinical features and mechanistic insights into drug repurposing for combating COVID-19. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2021</b> , 142, 106114	5.6	6
347	PEG mediated destabilization of holo lactalbumin probed by and studies: deviation from excluded volume effect. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	0
346	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> , <b>2021</b> , 8, 780284	5.6	4
345	Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	10
344	Functional and Structural Characterization of -Derived Biosurfactant and Its Biomedical Potential against Bacterial Adhesion, Quorum Sensing, and Biofilm Formation. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	7
343	Myricetin inhibits breast and lung cancer cells proliferation via inhibiting MARK4. <i>Journal of Cellular Biochemistry</i> , <b>2021</b> ,	4.7	4
342	Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1.. <i>ACS Omega</i> , <b>2021</b> , 6, 33985-33994	3.9	
341	Neurodegenerative brain models vs. cell replacement or restoration therapy: A review on promises and pitfalls. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 585, 124-131	3.4	0
340	Therapeutic Management of COVID-19 Patients: Clinical Manifestation and Limitations. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4223-4231	3.3	6
339	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> , <b>2021</b> ,	4.7	1
338	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> , <b>2021</b> , 22,	6.3	7
337	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> , <b>2021</b> , 11, 765039	5.9	13
336	Mechanistic insights into the role of serum-glucocorticoid kinase 1 in diabetic nephropathy: A systematic review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 562-573	7.9	1

- 335 Ultra-sensitive techniques for detecting neurological biomarkers: Prospects for early diagnosis. *Biochemical and Biophysical Research Communications*, **2021**, 584, 15-18 3.4 0
- 334 Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase induced by urea. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 5516-5525 3.6 0
- 333 InstaDock: A single-click graphical user interface for molecular docking-based virtual high-throughput screening. *Briefings in Bioinformatics*, **2021**, 22, 13.4 37
- 332 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 3.9 4
- 331 A computational study on active constituents of and as inhibitors of SARS-CoV-2 main protease. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-12 3.6 1
- 330 Elucidating the Interaction of Human Ferritin with Quercetin and Naringenin: Implication of Natural Products in Neurodegenerative Diseases: Molecular Docking and Dynamics Simulation Insight. *ACS Omega*, **2021**, 6, 7922-7930 3.9 20
- 329 Interaction of polyethylene glycol with cytochrome c investigated via in vitro and in silico approaches. *Scientific Reports*, **2021**, 11, 6475 4.9 6
- 328 Design and development of novel inhibitors of aldo-ketoreductase 1C1 as potential lead molecules in treatment of breast cancer. *Molecular and Cellular Biochemistry*, **2021**, 476, 2975-2987 4.2 2
- 327 Stability of uniformly labeled (C and N) cytochrome c and its L94G mutant. *Scientific Reports*, **2021**, 11, 6804 4.9 0
- 326 Structural insights into the transient closed conformation and pH dependent ATPase activity of S.Typhi GyraseB N- terminal domain. *Archives of Biochemistry and Biophysics*, **2021**, 701, 108786 4.1 1
- 325 Identification of natural compounds as potent inhibitors of SARS-CoV-2 main protease using combined docking and molecular dynamics simulations. *Saudi Journal of Biological Sciences*, **2021**, 28, 2423-2431 4 19
- 324 Potential drug targets of SARS-CoV-2: From genomics to therapeutics. *International Journal of Biological Macromolecules*, **2021**, 177, 1-9 7.9 34
- 323 Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. *Cancers*, **2021**, 13, 6.6 11
- 322 Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. *Journal of Cellular Biochemistry*, **2021**, 122, 897-910 4.7 10
- 321 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, 4.8 2
- 320 Impact of non-synonymous mutations on the structure and function of telomeric repeat binding factor 1. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-14 3.6 9
- 319 Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. *Scientific Reports*, **2021**, 11, 10202 4.9 12
- 318 Aurora B kinase: a potential drug target for cancer therapy. *Journal of Cancer Research and Clinical Oncology*, **2021**, 147, 2187-2198 4.9 4

317	5-Fluorouracil (5-FU)-based Aza-Michael addition product: A selective carbonic anhydrase IX inhibitor. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 129977	3.4	3
316	Crowding Milieu stabilizes apo-myoglobin against chemical-induced denaturation: Dominance of hardcore repulsions in the heme devoid protein. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 552-560	7.9	0
315	Structure-based investigation of MARK4 inhibitory potential of Naringenin for therapeutic management of cancer and neurodegenerative diseases. <i>Journal of Cellular Biochemistry</i> , <b>2021</b> , 122, 1445-1459	4.7	10
314	Design, synthesis, and biological evaluation of novel benzimidazole derivatives as sphingosine kinase 1 inhibitor. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100080	4.3	1
313	Design and synthesis of new pyrazolylbenzimidazoles as sphingosine kinase-1 inhibitors. <i>Medicinal Chemistry Research</i> , <b>2021</b> , 30, 1614-1634	2.2	1
312	Identification of plant-based hexokinase 2 inhibitors: combined molecular docking and dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	3
311	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> , <b>2021</b> , 256, 119750	4.4	10
310	A review on the role of TANK-binding kinase 1 signaling in cancer. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 2364-2375	7.9	12
309	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> , <b>2021</b> , 39, 1781-1794	3.6	2
308	SARS-CoV-2 mediated lung inflammatory responses in host: targeting the cytokine storm for therapeutic interventions. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 476, 675-687	4.2	23
307	Capping agent-induced variation of physicochemical and biological properties of Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 258, 123899	4.4	12
306	Emerging role of protein kinases in diabetes mellitus: From mechanism to therapy. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2021</b> , 124, 47-85	5.3	1
305	Polo-like Kinase 1 as an emerging drug target: structure, function and therapeutic implications. <i>Journal of Drug Targeting</i> , <b>2021</b> , 29, 168-184	5.4	12
304	Diagnostic approaches in COVID-19: clinical updates. <i>Expert Review of Respiratory Medicine</i> , <b>2021</b> , 15, 197-212	3.8	26
303	Targeting metacaspase-3 from towards antimalarial therapy: A combined approach of and investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 421-430	3.6	4
302	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> , <b>2021</b> , 39, 35-44	3.6	13
301	Identification of high-affinity inhibitors of pyruvate dehydrogenase kinase-3: towards therapeutic management of cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 586-594	3.6	15
300	Heparin Accelerates the Protein Aggregation via the Downhill Polymerization Mechanism: Multi-Spectroscopic Studies to Delineate the Implications on Proteinopathies. <i>ACS Omega</i> , <b>2021</b> , 6, 23282-23397	3.9	7

299	Emerging Therapeutic Approaches to COVID-19. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 3370-3388	3.3	1
298	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> , <b>2021</b> , 14, 379-389	2.8	13
297	Investigation of sphingosine kinase 1 inhibitory potential of cinchonine and colcemid targeting anticancer therapy. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	4
296	Trehalose Restrains the Fibril Load towards Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
295	Mechanistic insights into the pathogenesis of neurodegenerative diseases: towards the development of effective therapy. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 476, 2739-2752	4.2	5
294	Impact of single amino acid substitution on the structure and function of TANK-binding kinase-1. <i>Journal of Cellular Biochemistry</i> , <b>2021</b> , 122, 1475-1490	4.7	5
293	Sequence and structure-based method to predict diacylglycerol lipases in protein sequence. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 455-463	7.9	
292	Vitamin D and lumisterol novel metabolites can inhibit SARS-CoV-2 replication machinery enzymes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 321, E246-E251	6	14
291	Plant cytochrome P450s: Role in stress tolerance and potential applications for human welfare. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 184, 874-886	7.9	1
290	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> , <b>2021</b> , 25, 513-524	3.8	3
289	Targeting pyruvate dehydrogenase kinase signaling in the development of effective cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2021</b> , 1876, 188568	11.2	13
288	Exploring the molecular interactions of Galantamine with human Transferrin: In-silico and in vitro insight. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116227	6	2
287	B Cell Lymphoma 2: A Potential Therapeutic Target for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
286	Phytoconstituents and Medicinal Plants for Anticancer Drug Discovery: Computational Identification of Potent Inhibitors of PIM1 Kinase. <i>OMICS A Journal of Integrative Biology</i> , <b>2021</b> , 25, 580-590	3.8	9
285	Implications of the second wave of COVID-19 in India. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e93-e94	35.1	40
284	Macrophage Activation Syndrome and COVID 19: Impact of MAPK Driven Immune-Epigenetic Programming by SARS-Cov-2. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 763313	8.4	2
283	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> , <b>2021</b> , 340, 116888	6	8
282	Therapeutic targeting of PIM KINASE signaling in cancer therapy: Structural and clinical prospects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2021</b> , 1865, 129995	4	1



281	Characterization of different intermediate states in myoglobin induced by polyethylene glycol: A process of spontaneous molecular self-organization foresees the energy landscape theory via in vitro and in silico approaches. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117502	6	0
280	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> , <b>2021</b> , 190, 660-666	7.9	2
279	β-spectrin (SPTBN1) as a therapeutic target for diet-induced liver disease and preventing cancer development.. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabk2267	17.5	3
278	Identification of Phytoconstituents as Potent Inhibitors of Casein Kinase-1 Alpha Using Virtual Screening and Molecular Dynamics Simulations.. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	4
277	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> , <b>2020</b> , 1-11	3.6	6
276	Biophysical Elucidation of Fibrillation Inhibition by Sugar Osmolytes in Lactalbumin: Multispectroscopic and Molecular Docking Approaches. <i>ACS Omega</i> , <b>2020</b> , 5, 26871-26882	3.9	5
275	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> , <b>2020</b> , 21,	6.3	36
274	Structure, function and therapeutic implications of OB-fold proteins: A lesson from past to present. <i>Briefings in Functional Genomics</i> , <b>2020</b> , 19, 377-389	4.9	2
273	Classification and functional analyses of putative virulence factors of Mycobacterium tuberculosis: A combined sequence and structure based study. <i>Computational Biology and Chemistry</i> , <b>2020</b> , 87, 107270 <sup>3.6</sup>		
272	Discovery of Hordenine as a Potential Inhibitor of Pyruvate Dehydrogenase Kinase 3: Implication in Lung Cancer Therapy. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	41
271	Mechanistic insights into the urea-induced denaturation of a non-seleno thiol specific antioxidant human peroxiredoxin 6. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 1171-1180	7.9	8
270	Molecular Modeling of Chemosensory Protein 3 from and Its Binding Property with Plant Defensive Metabolites. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
269	Identification of Sphingosine Kinase-1 Inhibitors from Bioactive Natural Products Targeting Cancer Therapy. <i>ACS Omega</i> , <b>2020</b> , 5, 14720-14729	3.9	18
268	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
267	Effects of Ethylene Glycol on the Structure and Stability of Myoglobin Using Spectroscopic, Interaction, and Approaches: Monomer Is Different from Those of Its Polymers. <i>ACS Omega</i> , <b>2020</b> , 5, 13840-13850	3.9	11
266	Design and Development of Novel Urea, Sulfonylurea, and Sulfonamide Derivatives as Potential Inhibitors of sphingosine Kinase 1. <i>Pharmaceutics</i> , <b>2020</b> , 13,	5.2	8
265	Structural and biochemical investigation of MARK4 inhibitory potential of cholic acid: Towards therapeutic implications in neurodegenerative diseases. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 596-604	7.9	17
264	Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115424	3.4	20

263	Interactions Under Crowding Milieu: Chemical-Induced Denaturation of Myoglobin is Determined by the Extent of Heme Dissociation on Interaction with Crowders. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	11
262	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> , <b>2020</b> , 98, 103754	5.1	22
261	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , <b>2020</b> , 10, 10300	4.9	51
260	Discovery of 4-(2-(dimethylamino)ethoxy)benzohydrazide derivatives as prospective microtubule affinity regulating kinase 4 inhibitors.. <i>RSC Advances</i> , <b>2020</b> , 10, 20129-20137	3.7	9
259	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> , <b>2020</b> , 9,	7.9	15
258	Virtual Screening Approach to Identify High-Affinity Inhibitors of Serum and Glucocorticoid-Regulated Kinase 1 among Bioactive Natural Products: Combined Molecular Docking and Simulation Studies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	42
257	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> , <b>2020</b> , 147, 768-777	7.9	10
256	Formation of molten globule state in horse heart cytochrome c under physiological conditions: Importance of soft interactions and spectroscopic approach in crowded milieu. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 192-200	7.9	16
255	Probing the interaction of Rivastigmine Tartrate, an important Alzheimer's drug, with serum albumin: Attempting treatment of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 533-542	7.9	30
254	Structural and conformational behavior of MurE ligase from Salmonella enterica serovar Typhi at different temperature and pH conditions. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 389-399	7.9	4
253	Time-dependent study of graphene oxide-trypsin adsorption interface and visualization of nano-protein corona. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 2259-2269	7.9	4
252	Targeting Tau Hyperphosphorylation Kinase Inhibition: Strategy to Address Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 1059-1073	3	15
251	MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer's Disease Therapy. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	34
250	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> , <b>2020</b> , 159, 976-985	7.9	1
249	Glecaprevir and Maraviroc are high-affinity inhibitors of SARS-CoV-2 main protease: possible implication in COVID-19 therapy. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	90
248	Backbone and side chain H, N and C chemical shift assignments of the molten globule state of L94G mutant of horse cytochrome-c. <i>Biomolecular NMR Assignments</i> , <b>2020</b> , 14, 37-44	0.7	1
247	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 177-186	7.9	8
246	Pharmacological Activities of Novel Chromene Derivatives as Calcium/Calmodulin Dependent Protein Kinase IV (CAMKIV) Inhibitors. <i>ChemistrySelect</i> , <b>2020</b> , 5, 498-505	1.8	2



245	Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> , <b>2020</b> , 82, 106316	4.5	20
244	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> , <b>2020</b> , 151, 1108-1115	7.9	2
243	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> , <b>2020</b> , 150, 1238-1248	7.9	9
242	Functional and Structural Analysis of Predicted Proteins Obtained from Minisatellite 33.15-Tagged Transcript pAKT-45 Variants. <i>BioMed Research International</i> , <b>2020</b> , 2020, 2562950	3	1
241	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. <i>ACS Omega</i> , <b>2020</b> , 5, 27480-27491	3.9	22
240	Chitin and its derivatives: Structural properties and biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 526-539	7.9	30
239	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> , <b>2020</b> , 2020, 1245875	6.7	10
238	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> , <b>2020</b> , 1-11	3.6	5
237	Structure-based identification of potential SARS-CoV-2 main protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-14	3.6	35
236	Heme-iron ligand (M80-Fe) in cytochrome is destabilizing: combined and approaches to monitor changes in structure, stability and dynamics of the protein on mutation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-18	3.6	9
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