

# Rizwan Hasan Khan

## List of Publications by Year in Descending Order

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

330  
papers

10,797  
citations

55  
h-index

85  
g-index

341  
ext. papers

12,066  
ext. citations

4.7  
avg, IF

6.66  
L-index

#	Paper	IF	Citations
330	The amyloid state of proteins: A boon or bane?. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 200, 593-617	7.9	0
329	Applications of graphene-based electrochemical and optical biosensors in early detection of cancer biomarkers.. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 212, 112356	6	3
328	Comparative study of biogenically synthesized silver and gold nanoparticles of Acacia auriculiformis leaves and their efficacy against Alzheimer's and Parkinson's disease.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 203, 292-301	7.9	1
327	Melamine induced human serum albumin aggregates: Its possible role in amyloidogenesis. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 356, 119004	6	0
326	Taxon-specific zeta-crystallin of camel eye lens: A comparative in silico studies. <i>Journal of King Saud University - Science</i> , <b>2022</b> , 34, 101973	3.6	
325	4-Chloro-orthophenylenediamine alters DNA integrity and affects cell survival: inferences from a computational, biophysical/biochemical, microscopic and cell-based study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-12	3.6	1
324	Binding ability of roxatidine acetate and roxatidine acetate supported chitosan nanoparticles towards bovine serum albumin: characterization, spectroscopic and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-19	3.6	
323	The inhibitory effect of Sunset Yellow on thermally induced Human Serum Albumin aggregates: Possible role in naturopathy.. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 199, 181-181	7.9	1
322	A review of the berberine natural polysaccharide nanostructures as potential anticancer and antibacterial agents.. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 146, 112531	7.5	1
321	Inhibition and disruption of amyloid formation by the antibiotic levofloxacin: A new direction for antibiotics in an era of multi-drug resistance. <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 714, 109077	4.1	1
320	Anti-tuberculosic thionamide antibiotics show antioxidative and neuronal cytoprotective nature by inhibiting amyloid formation in human insulin and amyloid $\beta$ 2. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115396	6	5
319	A review on the interaction of nucleoside analogues with SARS-CoV-2 RNA dependent RNA polymerase. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 605-611	7.9	9
318	Identification of mungbean yellow mosaic India virus (MYMIV) Rep interacting partners using phage display and influence of MCM3 on geminivirus DNA replication. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-11	3.6	
317	On the binding reaction of loratadine with human serum acute phase protein alpha 1-acid glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-8	3.6	1
316	Computational studies on phylogeny and drug designing using molecular simulations for COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-10	3.6	4
315	Biophysical insight into the interaction of levocabastine with human serum albumin: spectroscopy and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 1525-1534	3.6	1
314	Review on Alzheimer's disease: Inhibition of amyloid beta and tau tangle formation. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 382-394	7.9	35

313	Severe acute respiratory syndrome coronavirus 2 infection reaches the human nervous system: How?. <i>Journal of Neuroscience Research</i> , <b>2021</b> , 99, 750-777	4.4	20
312	Industrially important enzyme bovine liver catalase forms amyloid in the presence of 14-4-14 Gemini surfactant at physiological pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 610, 125909	5.1	1
311	Transcriptional control of the oxidative stress response and implications of using plant derived molecules for therapeutic interventions in cancer. <i>Current Medicinal Chemistry</i> , <b>2021</b> ,	4.3	3
310	Mechanisms of amyloid proteins aggregation and their inhibition by antibodies, small molecule inhibitors, nano-particles and nano-bodies. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 580-590	7.9	6
309	Evaluation of ThT augmentation and RLS inner filter effect caused by highly fluorescent coumarin derivative and establishing it as true inhibitor of amyloid fibrillation. <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 709, 108981	4.1	2
308	The role of amyloids in Alzheimer's and Parkinson's diseases. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 44-55	7.9	6
307	Mechanistic In Vitro Dissection of the Inhibition of Amyloid Fibrillation by -Acetylneuraminic Acid: Plausible Implication in Therapeutics for Neurodegenerative Disorders. <i>ACS Chemical Neuroscience</i> , <b>2021</b> ,	5.7	2
306	Cationic gemini surfactant stimulates amyloid fibril formation in bovine liver catalase at physiological pH. A biophysical study.. <i>RSC Advances</i> , <b>2020</b> , 10, 43751-43761	3.7	3
305	pH and alcohol induced structural transition in Ntf2 a nuclear transport factor of <i>Saccharomyces cerevisiae</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 159, 79-86	7.9	2
304	An insight into structural plasticity and conformational transitions of transcriptional co-activator Sus1. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229216	3.7	3
303	Fluorescence quenching of chloroquine by Cu <sup>2+</sup> in micelles. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 306, 112763	6.3	5
302	An in-vitro elucidation of inhibitory potential of carminic acid: Possible therapeutic approach for neurodegenerative diseases. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112692	6	9
301	Probing the Nongeneralized Amyloid Inhibitory Mechanism of Hydrophobic Chaperone. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 373-384	5.7	5
300	Process, Outcomes and Possible Elimination of Aggregation with Special Reference to Heme Proteins; Likely Remediations of Proteinopathies. <i>Current Protein and Peptide Science</i> , <b>2020</b> , 21, 573-583 <sup>2.8</sup>	2.8	4
299	Both beta sheet breaker and alpha helix forming pentapeptide inhibits protein fibrillation: Implication for the treatment of amyloid disorders. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 102-111	7.9	3
298	3D printing applications in bone tissue engineering. <i>Journal of Clinical Orthopaedics and Trauma</i> , <b>2020</b> , 11, S118-S124	2.1	78
297	Comprehensive analysis of the molecular docking of small molecule inhibitors to the Aβ peptide and its Osaka-mutant: insights into the molecular mechanisms of Aβ peptide inhibition. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 4536-4566	3.6	3
296	An insight into the inhibition of fibrillation process verses disaggregation of preformed fibrils of bovine serum albumin by isoprenaline hydrochloride. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 1448-1459	7.9	12

295	Date palm ( <i>Phoenix dactylifera</i> L.) fruit's polyphenols as potential inhibitors for human amylin fibril formation and toxicity in type 2 diabetes. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 1794-1808	7.9	12
294	Biophysical Insight into the Interaction of Human Lysozyme with Anticancer Drug Anastrozole: A Multitechnique Approach. <i>Scientific World Journal, The</i> , <b>2020</b> , 2020, 8363685	2.2	1
293	Multi-spectroscopic and molecular docking technique study of the azelastine interaction with human serum albumin. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1201, 127147	3.4	16
292	Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 2746-2762	3.6	14
291	Molecular basis of the inhibition and disaggregation of thermally-induced amyloid fibrils of human serum albumin by an anti-Parkinson's drug, benserazide hydrochloride. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 278, 553-567	6	18
290	Elucidating the binding propensity of naphthyl hydroxamic acid to human serum albumin (HSA): Multi-spectroscopic and molecular modeling approach. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1184, 1-11	3.4	18
289	Protein misfolding, aggregation and mechanism of amyloid cytotoxicity: An overview and therapeutic strategies to inhibit aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 1022-1037	7.9	45
288	An antibiotic (sulfamethoxazole) stabilizes polypeptide (human serum albumin) even under extreme condition (elevated temperature). <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 135, 337-343	7.9	6
287	Alpha-cyclodextrin turns SDS-induced amyloid fibril into native-like structure. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 289, 111090	6	8
286	Explication of bovine serum albumin binding with naphthyl hydroxamic acids using a multispectroscopic and molecular docking approach along with its antioxidant activity. <i>Luminescence</i> , <b>2019</b> , 34, 628-643	2.5	7
285	Effect of cetyltrimethylammonium bromide (CTAB) on the conformation of a hen egg white lysozyme: A spectroscopic and molecular docking study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 219, 313-318	4.4	15
284	A biophysical insight into structural and functional state of human serum albumin in uremia mimic milieu. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 697-705	7.9	9
283	Gallic acid: A naturally occurring bifunctional inhibitor of amyloid and metal induced aggregation with possible implication in metal-based therapy. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 285, 27-37	6	17
282	Millimolar concentration of sodium dodecyl sulfate inhibit thermal aggregation in hen egg white lysozyme via increased $\beta$ helicity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 572, 167-173	5.1	13
281	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> , <b>2019</b> , 129, 1015-1023	7.9	18
280	A quercetin-based flavanoid (rutin) reverses amyloid fibrillation in $\beta$ lactoglobulin at pH 2.0 and 358 K. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 214, 40-48	4.4	13
279	Elucidating the inhibitory potential of Vitamin A against fibrillation and amyloid associated cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 129, 333-338	7.9	20
278	Cytotoxic species in amyloid-associated diseases: Oligomers or mature fibrils. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2019</b> , 118, 333-369	5.3	9

277	Exploring the DNA binding efficacy of Cobalt(II) and Copper(II) complexes of hydroxamic acids and explicating their anti-cancer propensity. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1197, 691-706	3.4	6
276	Biophysical Elucidation of Amyloid Fibrillation Inhibition and Prevention of Secondary Nucleation by Cholic Acid: An Unexplored Function of Cholic Acid. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4704-4715	5.7	9
275	Amyloid Oligomers, Protofibrils and Fibrils. <i>Sub-Cellular Biochemistry</i> , <b>2019</b> , 93, 471-503	5.5	5
274	A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 971-991	4	48
273	Nanoparticle formulations in the diagnosis and therapy of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 130, 515-526	7.9	54
272	Interaction of cobalt(II) and copper(II) hydroxamates with polyriboadenylic acid: An insight into RNA based drug designing. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2019</b> , 38, 481-508	1.4	0
271	Acid pH promotes bispecific antibody formation by the redox procedure. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 469-477	7.9	1
270	Molecular docking of A $\beta$ peptide and its Iowa DN mutant using small molecule inhibitors: Possible mechanisms of A $\beta$ peptide inhibition. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 127, 250-270	7.9	17
269	DARK Classics in Chemical Neuroscience: Opium, a Friend or Foe. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 182-189	5.7	5
268	Interaction of anticancer drug pinostrobin with lysozyme: a biophysical and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 4338-4344	3.6	16
267	A multiparametric analysis of the synergistic impact of anti-Parkinson's drugs on the fibrillation of human serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2019</b> , 1867, 275-285	4	8
266	Biophysical insights into the interaction of clofazimine with human alpha 1-acid glycoprotein: a multitechnique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 1390-1401	3.6	10
265	Capreomycin inhibits the initiation of amyloid fibrillation and suppresses amyloid induced cell toxicity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2018</b> , 1866, 549-557	4	44
264	Acetaldehyde-induced structural and conformational alterations in human immunoglobulin G: A physicochemical and multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 701-710	7.9	6
263	Protein folding, misfolding and aggregation: A tale of constructive to destructive assembly. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 217-229	7.9	12
262	Unsaturated aldehyde, 4-hydroxynonenal (HNE) alters the structural integrity of HSA with consequences in the immuno-pathology of rheumatoid arthritis. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 306-314	7.9	9
261	Biophysical insight reveals tannic acid as amyloid inducer and conformation transformer from amorphous to amyloid aggregates in Concanavalin A (ConA). <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 1261-1273	3.6	8
260	Sodium louroyl sarcosinate (sarkosyl) modulate amyloid fibril formation in hen egg white lysozyme (HEWL) at alkaline pH: a molecular insight study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 1550-1565	3.6	12

259	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 795-809	3.6	59
258	Binding of anti-cardiovascular drug to serum albumin: an insight in the light of spectroscopic and computational approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 54-67	3.6	21
257	Investigating the site selective binding of busulfan to human serum albumin: Biophysical and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 1414-1421	7.9	58
256	Unveiling the stimulatory effects of tartrazine on human and bovine serum albumin fibrillogenesis: Spectroscopic and microscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 191, 116-124	4.4	22
255	Negatively charged food additive dye "Allura Red" rapidly induces SDS-soluble amyloid fibril in beta-lactoglobulin protein. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 1706-1716	7.9	23
254	Probing the intermolecular interactions into serum albumin and anthraquinone systems: a spectroscopic and docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 3362-3375	3.6	14
253	Hypochlorous acid induced structural and conformational modifications in human DNA: A multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 551-558	7.9	15
252	Deciphering the enhanced inhibitory, disaggregating and cytoprotective potential of promethazine towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 851-863	7.9	9
251	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 1115-1129	7.9	32
250	Molecular insight into binding behavior of polyphenol (rutin) with beta lactoglobulin: Spectroscopic, molecular docking and MD simulation studies. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 511-520	6	60
249	Probing the binding of phenolic aldehyde vanillin with bovine serum albumin: Evidence from spectroscopic and docking approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 203, 40-47	4.4	38
248	An intermittent amyloid phase found in gemini (G5 and G6) surfactant induced $\beta$ sheet to $\beta$ helix transition in concanavalin A protein. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 796-804	6	15
247	Unraveling the molecular mechanism of the effects of sodium dodecyl sulfate, salts, and sugars on amyloid fibril formation in camel IgG. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 170, 430-437	6	17
246	Stabilizing proteins to prevent conformational changes required for amyloid fibril formation. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 120, 2642	4.7	15
245	Biophysical insight into the interaction mechanism of plant derived polyphenolic compound tannic acid with homologous mammalian serum albumins. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2450-2464	7.9	30
244	Amino group of salicylic acid exhibits enhanced inhibitory potential against insulin amyloid fibrillation with protective aptitude toward amyloid induced cytotoxicity. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 3945-3956	4.7	7
243	Exploration of ligand-induced protein conformational alteration, aggregate formation, and its inhibition: A biophysical insight. <i>Preparative Biochemistry and Biotechnology</i> , <b>2018</b> , 48, 43-56	2.4	3
242	Interaction of catecholamine precursor l-Dopa with lysozyme: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 1132-1139	7.9	13

241	Cationic surfactant mediated fibrillogenesis in bovine liver catalase: a biophysical approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 2543-2557	3.6	6
240	Antiglycation study of HMG-R inhibitors and tocotrienol against glycated BSA and LDL: A comparative study. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 983-992	7.9	19
239	Carboxylic acids of different nature induces aggregation of hemoglobin. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1584-1593	7.9	7
238	Insight into the interaction of antitubercular and anticancer compound clofazimine with human serum albumin: spectroscopy and molecular modelling. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 46-57	3.6	39
237	Surfactant-mediated amyloidogenesis behavior of stem bromelain; a biophysical insight. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1407-1419	3.6	18
236	Biophysical insights into the interaction of hen egg white lysozyme with therapeutic dye clofazimine: modulation of activity and SDS induced aggregation of model protein. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 2197-2210	3.6	33
235	Attenuation of amyloid fibrillation in presence of Warfarin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 713-718	7.9	59
234	Anti-Parkinsonian L-Dopa can also act as anti-systemic amyloidosis-A mechanistic exploration. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 630-640	7.9	10
233	Vitamin B12 offers neuronal cell protection by inhibiting A $\beta$ 2 amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 477-482	7.9	82
232	Binding of erucic acid with human serum albumin using a spectroscopic and molecular docking study. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1572-1580	7.9	119
231	Serotonin abrogates dopamine induced aggregation of cytochrome c. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 893-900	7.9	8
230	Ascorbic acid inhibits human insulin aggregation and protects against amyloid induced cytotoxicity. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 621, 54-62	4.1	95
229	pH induced single step shift of hydrophobic patches followed by formation of an MG state and an amyloidogenic intermediate in Lima Bean Trypsin Inhibitor (LBTI). <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 111-119	7.9	6
228	Protein aggregation: From background to inhibition strategies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 208-219	7.9	102
227	Mechanistic insight into interaction of Sodium Dodecyl Sulphate to asialylated form of glycoprotein: A mimic of membrane protein-lipid system. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 65-73	7.9	3
226	Interaction of anticancer drug clofarabine with human serum albumin and human $\beta$ 1 acid glycoprotein. Spectroscopic and molecular docking approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 106-115	3.5	40
225	DFT/B3LYP calculations, in vitro cytotoxicity and antioxidant activities of steroidal pyrimidines and their interaction with HSA using molecular docking and multispectroscopic techniques. <i>Bioorganic Chemistry</i> , <b>2017</b> , 73, 83-99	5.1	40
224	Impact of Osmolytes in Conformational Modulation of Protein and Its Applications in Biotechnology <b>2017</b> , 143-160		2

223	Spectroscopic studies on the comparative refolding of guanidinium hydrochloride denatured hen egg-white lysozyme and <i>Rhizopus niveus</i> lipase assisted by cationic single-chain/gemini surfactants via artificial chaperone protocol. <i>RSC Advances</i> , <b>2017</b> , 7, 28452-28460	3.7	12
222	Cationic gemini surfactant (16-4-16) interact electrostatically with anionic plant lectin and facilitates amyloid fibril formation at neutral pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 522, 494-502	5.1	18
221	Spectroscopic studies on the gemini surfactant mediated refolding of human serum albumin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 331-335	7.9	20
220	Elucidating the interaction of clofazimine with bovine liver catalase; a comprehensive spectroscopic and molecular docking approach. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2619	2.6	14
219	An ester-functionalized cationic gemini surfactant mediated structural transitions of porcine serum albumin (PSA) via binding interaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 516, 245-253	5.1	4
218	A multitechnique approach to probe the interaction of a therapeutic tyrosine kinase inhibitor nintedanib and bovine serum albumin. <i>Preparative Biochemistry and Biotechnology</i> , <b>2017</b> , 47, 655-663	2.4	4
217	A biophysical and computational study unraveling the molecular interaction mechanism of a new Janus kinase inhibitor Tofacitinib with bovine serum albumin. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2601	2.6	29
216	Cysteine as a potential anti-amyloidogenic agent with protective ability against amyloid induced cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 556-565	7.9	12
215	Analyzing the interaction between porcine serum albumin (PSA) and ester-functionalized cationic gemini surfactants. <i>Process Biochemistry</i> , <b>2017</b> , 63, 145-153	4.8	6
214	Probing the interaction of cephalosporin antibiotic-ceftazidime with human serum albumin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 292-299	7.9	46
213	Sauromatum guttatum lectin: Spectral studies, lectin-carbohydrate interaction, molecular cloning and in silico analysis. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1267-1279	7.9	8
212	Conformational behavior of alpha-2-macroglobulin: Aggregation and inhibition induced by TFE. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 539-546	7.9	10
211	Characterization of CNL like protein fragment (CNL-LPF) from mature <i>Lageneria siceraria</i> seeds. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1194-1203	7.9	1
210	Fibrillogenesis of human serum albumin in the presence of levodopa - spectroscopic, calorimetric and microscopic studies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 301-308	7.9	31
209	Co-precipitation synthesis and characterization of Co doped SnO NPs, HSA interaction via various spectroscopic techniques and their antimicrobial and photocatalytic activities. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 554-565	7.9	74
208	Polyols (Glycerol and Ethylene glycol) mediated amorphous aggregate inhibition and secondary structure restoration of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 290-300	7.9	28
207	Mechanisms of protein aggregation and inhibition. <i>Frontiers in Bioscience - Elite</i> , <b>2017</b> , 9, 1-20	1.6	23
206	Biophysical and molecular docking insight into interaction mechanism and thermal stability of human serum albumin isoforms with a semi-synthetic water-soluble camptothecin analog irinotecan hydrochloride. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1545-60	3.6	14

205	Binding of Janus kinase inhibitor tofacitinib with human serum albumin: multi-technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 2037-44	3.6	56
204	Effect of guanidine hydrochloride and urea on the interaction of 6-thioguanine with human serum albumin: a spectroscopic and molecular dynamics based study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1409-20	3.6	19
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