

Rizwan Hasan Khan

List of Publications by Citations

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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	Low dose mercury toxicity and human health. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 20, 351-60	5.8	734
329	Effect of albumin conformation on the binding of ciprofloxacin to human serum albumin: a novel approach directly assigning binding site. <i>Biomacromolecules</i> , 2006 , 7, 1350-6	6.9	274
328	Ligand binding strategies of human serum albumin: how can the cargo be utilized?. <i>Chirality</i> , 2010 , 22, 77-87	2.1	257
327	Protein proteinase inhibitor genes in combat against insects, pests, and pathogens: natural and engineered phytoprotection. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 431, 145-59	4.1	217
326	Elucidating the interaction of limonene with bovine serum albumin: a multi-technique approach. <i>Molecular BioSystems</i> , 2015 , 11, 307-16		190
325	pH-Induced molten globule state of <i>Rhizopus niveus</i> lipase is more resistant against thermal and chemical denaturation than its native state. <i>Cell Biochemistry and Biophysics</i> , 2012 , 62, 487-99	3.2	177
324	pH-dependent conformational transitions in conalbumin (ovotransferrin), a metalloproteinase from hen egg white. <i>Cell Biochemistry and Biophysics</i> , 2011 , 61, 551-60	3.2	149
323	Vitamin k3 inhibits protein aggregation: Implication in the treatment of amyloid diseases. <i>Scientific Reports</i> , 2016 , 6, 26759	4.9	123
322	Binding of erucic acid with human serum albumin using a spectroscopic and molecular docking study. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1572-1580	7.9	119
321	Biophysical and molecular docking insight into the interaction of cytosine D arabinofuranoside with human serum albumin. <i>Journal of Luminescence</i> , 2015 , 164, 123-130	3.8	115
320	Stereo-selectivity of human serum albumin to enantiomeric and isoelectronic pollutants dissected by spectroscopy, calorimetry and bioinformatics. <i>PLoS ONE</i> , 2011 , 6, e26186	3.7	112
319	Impact of structural stability of cold adapted <i>Candida antarctica</i> lipase B (CaLB): in relation to pH, chemical and thermal denaturation. <i>RSC Advances</i> , 2015 , 5, 20115-20131	3.7	110
318	Interaction of bovine (BSA), rabbit (RSA), and porcine (PSA) serum albumins with cationic single-chain/gemini surfactants: a comparative study. <i>Langmuir</i> , 2009 , 25, 11686-91	4	108
317	The role of advanced glycation end products in various types of neurodegenerative disease: a therapeutic approach. <i>Cellular and Molecular Biology Letters</i> , 2014 , 19, 407-37	8.1	107
316	Interaction and photo-induced cleavage studies of a copper based chemotherapeutic drug with human serum albumin: spectroscopic and molecular docking study. <i>Molecular BioSystems</i> , 2012 , 8, 2424-33		104
315	Interactions of thioflavin T with serum albumins: spectroscopic analyses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 94-9	4.4	104
314	SDS can be utilized as an amyloid inducer: a case study on diverse proteins. <i>PLoS ONE</i> , 2012 , 7, e29694	3.7	103

313	Protein aggregation: From background to inhibition strategies. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 208-219	7.9	102
312	A comprehensive insight into binding of hippuric acid to human serum albumin: a study to uncover its impaired elimination through hemodialysis. <i>PLoS ONE</i> , 2013 , 8, e71422	3.7	102
311	Effect of copper oxide nanoparticles on the conformation and activity of β -galactosidase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 96-105	6	100
310	Ascorbic acid inhibits human insulin aggregation and protects against amyloid induced cytotoxicity. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 621, 54-62	4.1	95
309	Biophysical insight into furosemide binding to human serum albumin: a study to unveil its impaired albumin binding in uremia. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2595-604	3.4	93
308	Nanoparticles in relation to peptide and protein aggregation. <i>International Journal of Nanomedicine</i> , 2014 , 9, 899-912	7.3	89
307	Structural characteristics of thermostable immunogenic outer membrane protein from <i>Salmonella enterica</i> serovar Typhi. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 2533-43	5.7	86
306	The surfactant-induced conformational and activity alterations in <i>Rhizopus niveus</i> lipase. <i>Cell Biochemistry and Biophysics</i> , 2015 , 71, 1199-206	3.2	85
305	Elimination of endogenous toxin, creatinine from blood plasma depends on albumin conformation: site specific uremic toxicity & impaired drug binding. <i>PLoS ONE</i> , 2011 , 6, e17230	3.7	84
304	Protein misfolding and aggregation: Mechanism, factors and detection. <i>Process Biochemistry</i> , 2016 , 51, 1183-1192	4.8	83
303	Vitamin B12 offers neuronal cell protection by inhibiting A β 42 amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 477-482	7.9	82
302	Protonation favors aggregation of lysozyme with SDS. <i>Soft Matter</i> , 2014 , 10, 2591-9	3.6	81
301	Interplay of multiple interaction forces: Binding of tyrosine kinase inhibitor nintedanib with human serum albumin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 157, 70-6	6.7	79
300	3D printing applications in bone tissue engineering. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2020 , 11, S118-S124	2.1	78
299	Chiral preference of L-tryptophan derived metal-based antitumor agent of late 3d-metal ions (Co(II), Cu(II) and Zn(II)) in comparison to D- and DL-tryptophan analogues: their in vitro reactivity towards CT DNA, 5'-GMP and 5'-TMP. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 3549-57	6.8	77
298	Solubilization of recombinant ovine growth hormone with retention of native-like secondary structure and its refolding from the inclusion bodies of <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 1998 , 14, 722-8	2.8	77
297	Biophysical investigation of thymoquinone binding to N1 and B1 isoforms of human serum albumin: exploring the interaction mechanism and radical scavenging activity. <i>RSC Advances</i> , 2015 , 5, 18218-18232	3.7	76
296	Interaction of 5-fluoro-5'-deoxyuridine with human serum albumin under physiological and non-physiological condition: a biophysical investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 469-77	6	76

295	Characterization of a partially folded intermediate of stem bromelain at low pH. <i>FEBS Journal</i> , 2002 , 269, 47-52		76
294	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> , 2017 , 94, 554-565	7.9	74
293	Guanidine hydrochloride denaturation of human serum albumin originates by local unfolding of some stable loops in domain III. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1750, 93-102		71
292	Flower-shaped ZnO nanoparticles synthesized by a novel approach at near-room temperatures with antibacterial and antifungal properties. <i>International Journal of Nanomedicine</i> , 2014 , 9, 853-64	7.3	70
291	Molten globule of hemoglobin proceeds into aggregates and advanced glycated end products. <i>PLoS ONE</i> , 2013 , 8, e72075	3.7	68
290	Pollutant-induced modulation in conformation and Lactamase activity of human serum albumin. <i>PLoS ONE</i> , 2012 , 7, e38372	3.7	65
289	Spectroscopic studies on the interaction of cationic surfactants with bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 69, 122-8	6	64
288	Unraveling Comparative Anti-Amyloidogenic Behavior of Pyrazinamide and D-Cycloserine: A Mechanistic Biophysical Insight. <i>PLoS ONE</i> , 2015 , 10, e0136528	3.7	62
287	A mechanistic approach for islet amyloid polypeptide aggregation to develop anti-amyloidogenic agents for type-2 diabetes. <i>Biochimie</i> , 2011 , 93, 793-805	4.6	61
286	Biophysical insight into the anti-amyloidogenic behavior of taurine. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 375-84	7.9	60
285	Comparative insight into surfactants mediated amyloidogenesis of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 315-25	7.9	60
284	Structure of amyloid oligomers and their mechanisms of toxicities: Targeting amyloid oligomers using novel therapeutic approaches. <i>European Journal of Medicinal Chemistry</i> , 2016 , 114, 41-58	6.8	60
283	Molecular insight into binding behavior of polyphenol (rutin) with beta lactoglobulin: Spectroscopic, molecular docking and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2018 , 269, 511-520	6	60
282	Attenuation of amyloid fibrillation in presence of Warfarin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 713-718	7.9	59
281	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 795-809	3.6	59
280	Interaction of new kinase inhibitors cabozantinib and tofacitinib with human serum alpha-1 acid glycoprotein. A comprehensive spectroscopic and molecular Docking approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 159, 199-208	4.4	59
279	Interaction of amphiphilic drugs with human and bovine serum albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 119-24	4.4	59
278	Investigating the site selective binding of busulfan to human serum albumin: Biophysical and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1414-1421	7.9	58

277	Anti-amyloidogenic behavior and interaction of Diallylsulfide with Human Serum Albumin. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 1220-1228	7.9	58
276	Binding of Janus kinase inhibitor tofacitinib with human serum albumin: multi-technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 2037-44	3.6	56
275	DNA binding and nuclease activity of copper(II) complexes of tridentate ligands. <i>Inorganica Chimica Acta</i> , 2011 , 376, 264-270	2.7	55
274	Nanoparticle formulations in the diagnosis and therapy of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 515-526	7.9	54
273	Interaction of the 5-fluorouracil analog 5-fluoro-2'-deoxyuridine with 'N' and 'B' isoforms of human serum albumin: a spectroscopic and calorimetric study. <i>Molecular BioSystems</i> , 2014 , 10, 2954-64		53
272	Spectroscopic studies on the comparative interaction of cationic single-chain and gemini surfactants with human serum albumin. <i>Journal of Biochemistry</i> , 2009 , 145, 67-77	3.1	53
271	Formation of a molten globule like state in bovine serum albumin at alkaline pH. <i>European Biophysics Journal</i> , 2008 , 37, 1303-8	1.9	51
270	Interaction of bovine serum albumin with cationic single chain+nonionic and cationic gemini+nonionic binary surfactant mixtures. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3197-204	3.4	50
269	Intermediate formation at lower urea concentration in 'B' isomer of human serum albumin: a case study using domain specific ligands. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 166-73	3.4	49
268	Study on the interaction between amphiphilic drug and bovine serum albumin: A thermodynamic and spectroscopic description. <i>Journal of Luminescence</i> , 2014 , 155, 39-46	3.8	48
267	Urea induced unfolding of F isomer of human serum albumin: a case study using multiple probes. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 437, 159-67	4.1	48
266	Characterization of molten globule state of cytochrome c at alkaline, native and acidic pH induced by butanol and SDS. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 2281-92	5.6	48
265	Kinetics of inclusion body production in batch and high cell density fed-batch culture of Escherichia coli expressing ovine growth hormone. <i>Journal of Biotechnology</i> , 1999 , 75, 161-72	3.7	48
264	A Comprehensive Spectroscopic and Computational Investigation to Probe the Interaction of Antineoplastic Drug Nordihydroguaiaretic Acid with Serum Albumins. <i>PLoS ONE</i> , 2016 , 11, e0158833	3.7	48
263	A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 971-991	4	48
262	Effect of spacer length of alkanediyl-alpha,omega-bis(dimethylcetylammmonium bromide) gemini homologues on the interfacial and physicochemical properties of BSA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 77, 54-9	6	47
261	Characterization of a proteinase inhibitor from <i>Cajanus cajan</i> (L.). <i>The Protein Journal</i> , 2003 , 22, 543-54		47
260	Probing the interaction of cephalosporin antibiotic-ceftazidime with human serum albumin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 292-299	7.9	46

259	Alkali-induced conformational transition in different domains of bovine serum albumin. <i>Protein and Peptide Letters</i> , 2004 , 11, 307-15	1.9	46
258	Protein misfolding, aggregation and mechanism of amyloid cytotoxicity: An overview and therapeutic strategies to inhibit aggregation. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 1022-1037	7.9	45
257	Physicochemical analysis of structural alteration and advanced glycation end products generation during glycation of H2A histone by 3-deoxyglucosone. <i>IUBMB Life</i> , 2014 , 66, 686-93	4.7	45
256	A tuber lectin from <i>Arisaema helleborifolium</i> Schott with anti-insect activity against melon fruit fly, <i>Bactrocera cucurbitae</i> (Coquillett) and anti-cancer effect on human cancer cell lines. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 445, 156-65	4.1	45
255	Capreomycin inhibits the initiation of amyloid fibrillation and suppresses amyloid induced cell toxicity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018 , 1866, 549-557	4	44
254	Hydrophobicity alone can not trigger aggregation in protonated mammalian serum albumins. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5150-61	3.6	44
253	Elucidating the mode of action of urea on mammalian serum albumins and protective effect of sodium dodecyl sulfate. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 441, 681-8	3.4	44
252	pH-dependent differential interacting mechanisms of sodium dodecyl sulfate with bovine serum fetuin: a biophysical insight. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 13025-36	3.4	44
251	Alcohol-induced versus anion-induced states of alpha-chymotrypsinogen A at low pH. <i>BBA - Proteins and Proteomics</i> , 2000 , 1481, 229-36		43
250	Analysis of binding interaction between antibacterial ciprofloxacin and human serum albumin by spectroscopic techniques. <i>Cell Biochemistry and Biophysics</i> , 2014 , 70, 93-101	3.2	42
249	Physicochemical studies on glycation-induced structural changes in human IgG. <i>IUBMB Life</i> , 2012 , 64, 151-6	4.7	42
248	Effect of pH, temperature and alcohols on the stability of glycosylated and deglycosylated stem bromelain. <i>Journal of Biosciences</i> , 2003 , 28, 709-14	2.3	42
247	Interaction mode of polycarbazole-titanium dioxide nanocomposite with DNA: Molecular docking simulation and in-vitro antimicrobial study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 153, 20-32	6.7	41
246	Spectroscopic and calorimetric studies of interaction of methimazole with human serum albumin. <i>Journal of Luminescence</i> , 2014 , 151, 219-223	3.8	41
245	Interaction of gelatin with promethazine hydrochloride: Conductimetry, tensiometry and circular dichroism studies. <i>Journal of Molecular Structure</i> , 2013 , 1050, 35-42	3.4	41
244	Interaction of anticancer drug clofarabine with human serum albumin and human H1 acid glycoprotein. Spectroscopic and molecular docking approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 106-115	3.5	40
243	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> , 2017 , 73, 83-99	5.1	40
242	3-Deoxyglucosone: a potential glycating agent accountable for structural alteration in H3 histone protein through generation of different AGEs. <i>PLoS ONE</i> , 2015 , 10, e0116804	3.7	40

241	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> , 2017 , 35, 46-57	3.6	39
240	Identification and design of antimicrobial peptides for therapeutic applications. <i>Current Protein and Peptide Science</i> , 2012 , 13, 211-23	2.8	39
239	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> , 2018 , 203, 40-47	4.4	38
238	Glycation of H1 Histone by 3-Deoxyglucosone: Effects on Protein Structure and Generation of Different Advanced Glycation End Products. <i>PLoS ONE</i> , 2015 , 10, e0130630	3.7	38
237	Different molten globule-like folding intermediates of hen egg white lysozyme induced by high pH and tertiary butanol. <i>Journal of Biochemistry</i> , 2007 , 141, 573-83	3.1	37
236	Monomeric banana lectin at acidic pH overrules conformational stability of its native dimeric form. <i>PLoS ONE</i> , 2013 , 8, e62428	3.7	36
235	Spectroscopic approach of the interaction study of amphiphilic drugs with the serum albumins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 87, 447-53	6	36
234	Acid-induced unfolding of didecameric keyhole limpet hemocyanin: detection and characterizations of decameric and tetrameric intermediate states. <i>Amino Acids</i> , 2010 , 39, 899-910	3.5	36
233	Trifluoroethanol-induced "molten globule" state in stem bromelain. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 413, 199-206	4.1	36
232	The acid-induced state of glucose oxidase exists as a compact folded intermediate. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 685-92	3.4	36
231	Fluoroalcohols-induced modulation and amyloid formation in conalbumin. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 606-14	7.9	35
230	Interaction of cetyltrimethylammonium bromide and its gemini homologue bis(cetyldimethylammonium)butane dibromide with xanthine oxidase. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5711-8	3.4	35
229	Revisiting ligand-induced conformational changes in proteins: essence, advancements, implications and future challenges. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 630-48	3.6	35
228	Review on Alzheimer's disease: Inhibition of amyloid beta and tau tangle formation. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 382-394	7.9	35
227	Synthesis, characterization and interaction studies of 1,3,4-oxadiazole derivatives of fatty acid with human serum albumin (HSA): A combined multi-spectroscopic and molecular docking study. <i>European Journal of Medicinal Chemistry</i> , 2016 , 122, 72-78	6.8	34
226	In vitro DNA binding, molecular docking and antimicrobial studies on a newly synthesized poly(o-toluidine) titanium dioxide nanocomposite. <i>RSC Advances</i> , 2014 , 4, 39174	3.7	34
225	Characterization of a partially folded intermediate of papain induced by fluorinated alcohols at low pH. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 432, 79-87	4.1	34
224	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> , 2017 , 35, 2197-2210	3.6	33

223	A study of interaction between antidepressant drug nortriptyline hydrochloride with gelatin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2068-2074	5.3	33
222	2,2,2-Trifluoroethanol induces simultaneous increase in alpha-helicity and aggregation in alkaline unfolded state of bovine serum albumin. <i>International Journal of Biological Macromolecules</i> , 2010 , 46, 250-4	7.9	33
221	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1115-1129	7.9	32
220	Concentration-dependent antagonistic persuasion of SDS and naphthalene derivatives on the fibrillation of stem bromelain. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 540, 101-16	4.1	32
219	Thermal induced unfolding of human serum albumin isomers: assigning residual helices to domain II. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 447-52	7.9	32
218	Non-fluorinated cosolvents: A potent amorphous aggregate inducer of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 417-28	7.9	31
217	Fibrillogenesis of human serum albumin in the presence of levodopa - spectroscopic, calorimetric and microscopic studies. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 301-308	7.9	31
216	Structural stability as a probe for molecular evolution of homologous albumins studied by spectroscopy and bioinformatics. <i>Cell Biochemistry and Biophysics</i> , 2011 , 61, 313-25	3.2	31
215	More stable structure of wheat germ lipase at low pH than its native state. <i>Biochimie</i> , 2010 , 92, 885-93	4.6	31
214	Characterization of molten globule state of fetuin at low pH. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003 , 1649, 164-70	4	31
213	Unfolding of rabbit serum albumin by cationic surfactants: surface tensiometry, small-angle neutron scattering, intrinsic fluorescence, resonance Rayleigh scattering and circular dichroism studies. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 436-43	9.3	30
212	Low versus high molecular weight poly(ethylene glycol)-induced states of stem bromelain at low pH: stabilization of molten globule and unfolded states. <i>Biopolymers</i> , 2006 , 81, 350-9	2.2	30
211	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> , 2018 , 107, 2450-2464	7.9	30
210	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> , 2017 , 30, e2601	2.6	29
209	Glycoprotein targeting and other applications of lectins in biotechnology. <i>Current Protein and Peptide Science</i> , 2007 , 8, 261-71	2.8	29
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> , 2017 , 94, 290-300	7.9	28
207	DNA induced aggregation of stem bromelain; a mechanistic insight. <i>RSC Advances</i> , 2016 , 6, 37591-37599	3.7	28
206	Refolding of bovine serum albumin via artificial chaperone protocol using gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 157-62	9.3	27

205	1-Anilino-8-naphthalene sulfonate (ANS) is not a desirable probe for determining the molten globule state of chymopapain. <i>PLoS ONE</i> , 2012 , 7, e50633	3.7	26
204	Protease inhibitors: a panacea?. <i>Journal of Biochemical and Molecular Toxicology</i> , 2010 , 24, 270-7	3.4	26
203	Influence of salts and alcohols on the conformation of partially folded intermediate of stem bromelain at low pH. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 361-74	5.6	26
202	Influence of urea additives on micellar morphology/protein conformation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 51, 10-5	6	25
201	Effect of galactose on acid induced molten globule state of Soybean Agglutinin: Biophysical approach. <i>Journal of Molecular Structure</i> , 2015 , 1099, 149-153	3.4	24
200	Inhibitory effect of copper nanoparticles on rosin modified surfactant induced aggregation of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 379-88	7.9	23
199	Negatively charged food additive dye "Allura Red" rapidly induces SDS-soluble amyloid fibril in beta-lactoglobulin protein. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1706-1716	7.9	23
198	Comparative binding study of anti-tuberculosis drug pyrazinamide with serum albumins. <i>RSC Advances</i> , 2016 , 6, 85860-85869	3.7	23
197	Inhibitory effect of post-micellar SDS concentration on thermal aggregation and activity of papain. <i>Biochemistry (Moscow)</i> , 2014 , 79, 785-96	2.9	23
196	Mechanisms of protein aggregation and inhibition. <i>Frontiers in Bioscience - Elite</i> , 2017 , 9, 1-20	1.6	23
195	Cetyltrimethylammonium bromide (CTAB) promote amyloid fibril formation in carbohydrate binding protein (concanavalin A) at physiological pH. <i>RSC Advances</i> , 2016 , 6, 38100-38111	3.7	23
194	Differential mode of interaction of ThioflavinT with native β structural motif in human β -acid glycoprotein and cross beta sheet of its amyloid: Biophysical and molecular docking approach. <i>Journal of Molecular Structure</i> , 2016 , 1117, 208-217	3.4	23
193	Interaction of biocompatible natural rosin-based surfactants with human serum albumin: A biophysical study. <i>Journal of Luminescence</i> , 2015 , 167, 399-407	3.8	22
192	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> , 2018 , 191, 116-124	4.4	22
191	Complexation behavior of gelatin with amphiphilic drug imipramine hydrochloride as studied by conductimetry, surface tensiometry and circular dichroism studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 258-62	6	22
190	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> , 2018 , 36, 54-67	3.6	21
189	Amyloidogenic behavior of different intermediate state of stem bromelain: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 477-85	7.9	21
188	Partially folded intermediate state of concanavalin A retains its carbohydrate specificity. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 1284-94	3.4	21

187	Spectroscopic studies on the gemini surfactant mediated refolding of human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 331-335	7.9	20
186	Elucidating the inhibitory potential of Vitamin A against fibrillation and amyloid associated cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 333-338	7.9	20
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