

Ali Akbar Moosavi-Movahedi

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340
ext. papers

6,602
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#	Paper	IF	Citations
332	How a protein can remain stable in a solvent with high content of urea: insights from molecular dynamics simulation of <i>Candida antarctica</i> lipase B in urea : choline chloride deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14882-93	3.6	138
331	The comparative assessment of ACE-inhibitory and antioxidant activities of peptide fractions obtained from fermented camel and bovine milk by <i>Lactobacillus rhamnosus</i> PTCC 1637. <i>International Dairy Journal</i> , 2013 , 29, 82-87	3.5	119
330	Alpha-lactalbumin: A new carrier for vitamin D3 food enrichment. <i>Food Hydrocolloids</i> , 2015 , 45, 124-131	10.6	102
329	Improvement of the antimicrobial and antioxidant activities of camel and bovine whey proteins by limited proteolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3297-302	5.7	93
328	Enhancing the aqueous solubility of curcumin at acidic condition through the complexation with whey protein nanofibrils. <i>Food Hydrocolloids</i> , 2019 , 87, 902-914	10.6	93
327	Catalase and its mysteries. <i>Progress in Biophysics and Molecular Biology</i> , 2018 , 140, 5-12	4.7	90
326	Effect of polyol osmolytes on $\Delta G(D)$, the Gibbs energy of stabilisation of proteins at different pH values. <i>Biophysical Chemistry</i> , 2005 , 117, 1-12	3.5	85
325	Biological activity of camel milk casein following enzymatic digestion. <i>Journal of Dairy Research</i> , 2011 , 78, 471-8	1.6	83
324	Glycated albumin: an overview of the In Vitro models of an In Vivo potential disease marker. <i>Journal of Diabetes and Metabolic Disorders</i> , 2014 , 13, 49	2.5	77
323	β -Lactoglobulin β -D-glucan interaction as affected by polysaccharide depolymerization using high intensity ultrasound. <i>Food Hydrocolloids</i> , 2013 , 32, 235-244	10.6	73
322	Kinetic characterization of hydrolysis of camel and bovine milk proteins by pancreatic enzymes. <i>International Dairy Journal</i> , 2008 , 18, 1097-1102	3.5	70
321	Molecular interaction of human serum albumin with paracetamol: spectroscopic and molecular modeling studies. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 129-34	7.9	69
320	Biomolecular content of camel milk: A traditional superfood towards future healthcare industry. <i>Trends in Food Science and Technology</i> , 2017 , 62, 49-58	15.3	66
319	Antioxidant activity of low molecular weight alginate produced by thermal treatment. <i>Food Chemistry</i> , 2016 , 196, 897-902	8.5	64
318	Cold gelation of curcumin loaded whey protein aggregates mixed with k-carrageenan: Impact of gel microstructure on the gastrointestinal fate of curcumin. <i>Food Hydrocolloids</i> , 2018 , 85, 267-280	10.6	63
317	Enzymatic digestion and antioxidant activity of the native and molten globule states of camel β -lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , 2009 , 19, 518-523	3.5	63
316	Complex coacervation of β -lactoglobulin - β -carrageenan aqueous mixtures as affected by polysaccharide sonication. <i>Food Chemistry</i> , 2013 , 141, 215-22	8.5	62

315	Direct electron transfer of horseradish peroxidase on Nafion-cysteine modified gold electrode. <i>Electrochimica Acta</i> , 2007 , 52, 6261-6267	6.7	60
314	Electrochemical evidence for the molten globule states of cytochrome c induced by N-alkyl sulfates at low concentrations. <i>The Protein Journal</i> , 2003 , 22, 23-30		57
313	Derivation of the thermodynamic parameters involved in the elucidation of protein thermal profiles. <i>Biochemical Education</i> , 1995 , 23, 164-167		57
312	Antioxidant and Anticancer Activities of Walnut (<i>Juglans regia</i> L.) Protein Hydrolysates Using Different Proteases. <i>Plant Foods for Human Nutrition</i> , 2016 , 71, 402-409	3.9	57
311	Effect of polyamines on the structure, thermal stability and 2,2,2-trifluoroethanol-induced aggregation of alpha-chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 597-604	7.9	56
310	Microcalorimetry, energetics and binding studies of DNA-methyltin dichloride complexes. <i>Thermochimica Acta</i> , 2004 , 414, 233-241	2.9	56
309	Oligomeric forms of insulin amyloid aggregation disrupt outgrowth and complexity of neuron-like PC12 cells. <i>PLoS ONE</i> , 2012 , 7, e41344	3.7	53
308	Role of electrostatic interactions in 2,2,2-trifluoroethanol-induced structural changes and aggregation of alpha-chymotrypsin. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 457, 160-9	4.1	50
307	Direct electrochemistry of glucose oxidase and glucose biosensing on a hydroxyl fullerenes modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 30-4	11.8	49
306	Novel blue-emitting gold nanoclusters confined in human hemoglobin, and their use as fluorescent probes for copper(II) and histidine. <i>Mikrochimica Acta</i> , 2015 , 182, 1131-1141	5.8	47
305	Direct electron transfer of redox proteins on a Nafion-cysteine modified gold electrode. <i>Electrochemistry Communications</i> , 2006 , 8, 1572-1576	5.1	47
304	Physicochemical characterization of a monorhamnolipid secreted by <i>Pseudomonas aeruginosa</i> MA01 in aqueous media. An experimental and molecular dynamics study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 256-65	6	46
303	Purification and autolysis of the ficin isoforms from fig (<i>Ficus carica</i> cv. Sabz) latex. <i>Phytochemistry</i> , 2013 , 87, 16-22	4	45
302	Chemical modification of lysine residues in lysozyme may dramatically influence its amyloid fibrillation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 714-22	4	45
301	A novel impedimetric nanobiosensor for low level determination of hydrogen peroxide based on biocatalysis of catalase. <i>Bioelectrochemistry</i> , 2012 , 83, 31-7	5.6	44
300	Investigating the interaction of juglone (5-hydroxy-1, 4-naphthoquinone) with serum albumins using spectroscopic and in silico methods. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 1527-1540	2	42
299	Anticancer activity and DNA-binding properties of novel cationic Pt(II) complexes. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 86-96	7.9	42
298	Cobalt nanoflowers: Synthesis, characterization and derivatization to cobalt hexacyanoferrate. Electro-catalytic oxidation and determination of sulfite and nitrite. <i>Electrochimica Acta</i> , 2012 , 77, 294-301	6.7	42

297	Direct electrochemistry of hemoglobin immobilized on a functionalized multi-walled carbon nanotubes and gold nanoparticles nanocomplex-modified glassy carbon electrode. <i>Sensors</i> , 2013 , 13, 8595-611	3.8	42
296	Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 278-85	7.9	41
295	Band assignment in hemoglobin porphyrin ring spectrum: using four-orbital model of Gouterman. <i>Protein and Peptide Letters</i> , 2010 , 17, 473-9	1.9	41
294	A fresh look at the male-specific region of the human Y chromosome. <i>Journal of Proteome Research</i> , 2013 , 12, 6-22	5.6	39
293	The shapes of Scatchard plots for systems with two sets of binding sites. <i>Biochemical Education</i> , 1996 , 24, 172-175		39
292	Hydrogen peroxide sensitive hemoglobin-capped gold nanoclusters as a fluorescence enhancing sensor for the label-free detection of glucose. <i>RSC Advances</i> , 2015 , 5, 33123-33135	3.7	38
291	Stability of proteins in the presence of polyols estimated from their guanidinium chloride-induced transition curves at different pH values and 25 degrees C. <i>Biophysical Chemistry</i> , 2006 , 119, 224-33	3.5	38
290	A theoretical elucidation of glucose interaction with HSA's domains. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010 , 28, 211-26	3.6	37
289	Thermal aggregation of alpha-chymotrypsin: role of hydrophobic and electrostatic interactions. <i>Biophysical Chemistry</i> , 2008 , 132, 23-32	3.5	37
288	Fabrication of carbon nanotube and dysprosium nanowire modified electrodes as a sensor for determination of curcumin. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1983-1992	2.6	36
287	Thermodynamics of protein denaturation by sodium dodecyl sulfate. <i>Journal of the Iranian Chemical Society</i> , 2005 , 2, 189-196	2	36
286	Electrochemical behavior of caffeic acid at single-walled carbon nanotube:graphite-based electrode. <i>Biophysical Chemistry</i> , 2007 , 128, 30-7	3.5	34
285	Resolution Method of Two Sets of Binding Sites for the Cationic Surfactant-Urease Interaction. <i>Bulletin of the Chemical Society of Japan</i> , 1996 , 69, 3031-3035	5.1	34
284	Testing polyols' compatibility with Gibbs energy of stabilization of proteins under conditions in which they behave as compatible osmolytes. <i>FEBS Letters</i> , 2005 , 579, 3891-8	3.8	33
283	Effect of free radical-induced aggregation on physicochemical and interface-related functionality of egg white protein. <i>Food Hydrocolloids</i> , 2019 , 87, 734-746	10.6	33
282	Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel. <i>Journal of Biochemistry</i> , 2014 , 155, 361-73	3.1	32
281	Determination of diclofenac on a dysprosium nanowire- modified carbon paste electrode accomplished in a flow injection system by advanced filtering. <i>Sensors</i> , 2009 , 9, 7903-18	3.8	31
280	Chaperone activities of bovine and camel beta-caseins: Importance of their surface hydrophobicity in protection against alcohol dehydrogenase aggregation. <i>International Journal of Biological Macromolecules</i> , 2008 , 42, 392-9	7.9	31

279	Activation of catalase by pioglitazone: Multiple spectroscopic methods combined with molecular docking studies. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2648	2.6	30
278	Binding Data Analysis of the Interaction of Bovine Hemoglobin with Dodecyltrimethylammonium Bromide. <i>Bulletin of the Chemical Society of Japan</i> , 1996 , 69, 2231-2234	5.1	30
277	Identification and characterization of a novel thermostable xylanase from camel rumen metagenome. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 1295-1302	7.9	30
276	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017 , 100, 67-74	7.9	29
275	The influence of the flavonoid quercetin on the interaction of propranolol with human serum albumin: Experimental and theoretical approaches. <i>Journal of Luminescence</i> , 2014 , 154, 229-240	3.8	29
274	Catalase immobilized on a functionalized multi-walled carbon nanotubes/gold nanocomposite as a highly sensitive bio-sensing system for detection of hydrogen peroxide. <i>Electrochimica Acta</i> , 2013 , 89, 317-325	6.7	29
273	Comparative study on heat stability of camel and bovine apo and holo alpha-lactalbumin. <i>Journal of Dairy Research</i> , 2010 , 77, 43-9	1.6	29
272	Study of the interaction between two newly synthesized cyclometallated platinum (II) complexes and human serum albumin: Spectroscopic characterization and docking simulation. <i>Journal of Luminescence</i> , 2015 , 159, 139-146	3.8	28
271	Structural analysis and aggregation propensity of reduced and nonreduced glycated insulin adducts. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 623-38	3.2	28
270	A protein fold classifier formed by fusing different modes of pseudo amino acid composition via PSSM. <i>Computational Biology and Chemistry</i> , 2011 , 35, 1-9	3.6	28
269	The proteolytic activity of selected lactic acid bacteria in fermenting cow's and camel's milk and the resultant sensory characteristics of the products. <i>International Journal of Dairy Technology</i> , 2013 , 66, 279-285	3.7	27
268	Studies to reveal the nature of interactions between catalase and curcumin using computational methods and optical techniques. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 550-556	7.9	26
267	Nanostructured food proteins as efficient systems for the encapsulation of bioactive compounds. <i>Food Science and Human Wellness</i> , 2020 , 9, 199-213	8.3	26
266	Radical cross-linked whey protein aggregates as building blocks of non-heated cold-set gels. <i>Food Hydrocolloids</i> , 2018 , 81, 429-441	10.6	26
265	ACE- inhibitory and radical scavenging activities of bioactive peptides obtained from camel milk casein hydrolysis with proteinase K. <i>Dairy Science and Technology</i> , 2016 , 96, 489-499		26
264	A highly sensitive choline biosensor based on bamboo-like multiwall carbon nanotubes/ionic liquid/Prussian blue nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 694-703	8.5	25
263	Gelation of oil-in-water emulsions stabilized by heat-denatured and nanofibrillated whey proteins through ion bridging or citric acid-mediated cross-linking. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 2247-2258	7.9	24
262	Hemoglobin fructation promotes heme degradation through the generation of endogenous reactive oxygen species. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 130, 561-7	4.4	24

261	Biocompatible nanotubes as potential carrier for curcumin as a model bioactive compound. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	24
260	Evidence of non-coincidence of normalized sigmoidal curves of two different structural properties for two-state protein folding/unfolding. <i>Journal of Chemical Thermodynamics</i> , 2013 , 58, 351-358	2.9	24
259	Cytochrome c in sodium dodecyl sulfate reverse micelle nanocage: From a classic electron carrier protein to an artificial peroxidase enzyme. <i>Biochemical Engineering Journal</i> , 2010 , 49, 89-94	4.2	24
258	Structural changes in Lactoglobulin by conjugation with three different kinds of carboxymethyl cyclodextrins. <i>Thermochimica Acta</i> , 2005 , 432, 106-111	2.9	23
257	The inhibitory effect of farnesiferol C against catalase; Kinetics, interaction mechanism and molecular docking simulation. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 1258-1265	7.9	22
256	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 1082-92	4.2	22
255	Investigation of thermal reversibility and stability of glycated human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 358-64	7.9	22
254	A product inhibition study on adenosine deaminase by spectroscopy and calorimetry. <i>BMB Reports</i> , 2002 , 35, 302-5	5.5	22
253	In vitro antioxidant activities of hydrolysates obtained from Iranian wild almond (<i>Amygdalus scoparia</i>) protein by several enzymes. <i>International Journal of Food Science and Technology</i> , 2016 , 51, 609-616	3.8	21
252	Immobilization of endo-inulinase on poly-d-lysine coated CaCO ₃ micro-particles. <i>Food Research International</i> , 2014 , 66, 485-492	7	21
251	Anticancer and DNA binding activities of platinum (IV) complexes; importance of leaving group departure rate. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 2604-17	3.2	21
250	Spectroscopic and Electrochemical Studies on the Interaction of Carmoisine Food Additive with Native Calf Thymus DNA. <i>Spectroscopy Letters</i> , 2013 , 46, 250-256	1.1	21
249	Sensitive determination of herbicide trifluralin on the surface of copper nanowire electrochemical sensor. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1953-1961	2.6	21
248	Electrodeposition of nickel oxide nanoparticles on glassy carbon surfaces: application to the direct electron transfer of tyrosinase. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 1233-1239	2.6	21
247	Fast Fourier transformation with continuous cyclic voltammetry at an Au microelectrode for the determination of morphine in a flow injection system. <i>Talanta</i> , 2007 , 73, 54-61	6.2	21
246	A distinct intermediate of RNase A is induced by sodium dodecyl sulfate at its pK(a). <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 43, 150-7	6	21
245	H ₂ O/air plasma-functionalized carbon nanotubes decorated with MnO ₂ for glucose sensing. <i>RSC Advances</i> , 2016 , 6, 31807-31815	3.7	21
244	Guanidinium chloride and urea denaturations of beta-lactoglobulin A at pH 2.0 and 25 degrees C: the equilibrium intermediate contains non-native structures (helix, tryptophan and hydrophobic patches). <i>Biophysical Chemistry</i> , 2007 , 127, 140-8	3.5	20

243	Chemometric study of the aggregation of alcohol dehydrogenase and its suppression by beta-caseins: a mechanistic perspective. <i>Analytica Chimica Acta</i> , 2008 , 613, 40-7	6.6	20
242	The impact of different mutations at Arg54 on structure, chaperone-like activity and oligomerization state of human Δ -crystallin: The pathomechanism underlying congenital cataract-causing mutations R54L, R54P and R54C. <i>Biochimica Et Biophysica Acta - Proteins and</i>	4	19
241	The impact of Hydrogen peroxide on structure, stability and functional properties of Human R12C mutant Δ -crystallin: The imperative insights into pathomechanism of the associated congenital cataract incidence. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 819-30	7.8	19
240	Aquamethemoglobin reduction by sodium n-dodecyl sulfate via coordinated water oxidation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003 , 30, 139-146	6	19
239	Physico-chemical and foaming properties of nanofibrillated egg white protein and its functionality in meringue batter. <i>Food Hydrocolloids</i> , 2020 , 101, 105554	10.6	19
238	Machine Learning and Network Analysis of Molecular Dynamics Trajectories Reveal Two Chains of Red/Ox-specific Residue Interactions in Human Γ Protein Disulfide Isomerase. <i>Scientific Reports</i> , 2017 , 7, 3666	4.9	18
237	Appraisal of role of the polyanionic inducer length on amyloid formation by 412-residue 1N4R Tau protein: A comparative study. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 609, 1-19	4.1	18
236	Atorvastatin treatment softens human red blood cells: an optical tweezers study. <i>Biomedical Optics Express</i> , 2018 , 9, 1256-1261	3.5	18
235	The techno-functional properties of camel whey protein compared to bovine whey protein for fabrication a model high protein emulsion. <i>LWT - Food Science and Technology</i> , 2019 , 101, 543-550	5.4	18
234	Shape-Controlled Synthesis of Luminescent Hemoglobin Capped Hollow Porous Platinum Nanoclusters and their Application to Catalytic Oxygen Reduction and Cancer Imaging. <i>Scientific Reports</i> , 2018 , 8, 14507	4.9	18
233	Fabrication and Characterization of Curcumin-Loaded Complex Coacervates Made of Gum Arabic and Whey Protein Nanofibrils. <i>Food Biophysics</i> , 2019 , 14, 425-436	3.2	17
232	Assessment of structure, stability and aggregation of soluble lens proteins and alpha-crystallin upon non-enzymatic glycation: The pathomechanisms underlying cataract development in diabetic patients. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 328-38	7.9	17
231	Energetic domains and conformational analysis of human serum albumin upon co-incubation with sodium benzoate and glucose. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014 , 32, 438-47	3.6	17
230	Sodium dodecyl sulphate modulates the fibrillation of human serum albumin in a dose-dependent manner and impacts the PC12 cells retraction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 341-349	6	17
229	Destructive effect of non-enzymatic glycation on catalase and remediation via curcumin. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 630, 81-90	4.1	17
228	Synthesis, cytotoxicity and spectroscopy studies of a new copper (II) complex: calf thymus DNA and T47D as targets. <i>Journal of the Iranian Chemical Society</i> , 2012 , 9, 737-746	2	17
227	Differential Scanning Calorimetry Study on Thermal Denaturation of Human Carbonic Anhydrase II. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 1158-1162	2.8	17
226	Cross-linking mechanisms of arginine and lysine with α -dicarbonyl compounds in aqueous solution. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 13542-55	2.8	17

225	Comparative thermodynamic stability of bovine and pigeon haemoglobins by interaction with sodium n-Dodecyl sulphate. <i>Thermochimica Acta</i> , 1996 , 287, 343-349	2.9	17
224	Fabrication and characterization of acid-induced gels from thermally-aggregated egg white protein formed at alkaline condition. <i>Food Hydrocolloids</i> , 2020 , 99, 105337	10.6	17
223	Human hemoglobin structural and functional alterations and heme degradation upon interaction with benzene: A spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 157, 41-49	4.4	16
222	Experimental investigation and molecular dynamics simulation of the binding of ellagic acid to bovine liver catalase: Activation study and interaction mechanism. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 850-861	7.9	16
221	Walnut proteinCurcumin complexes: fabrication, structural characterization, antioxidant properties, and in vitro anticancer activity. <i>Journal of Food Measurement and Characterization</i> , 2020 , 14, 876-885	2.8	16
220	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 4691-4701	6.1	16
219	Protection by beta-Hydroxybutyric acid against insulin glycation, lipid peroxidation and microglial cell apoptosis. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015 , 23, 42	3.9	15
218	Beneficial Protective Role of Endogenous Lactic Acid Bacteria Against Mycotic Contamination of Honeybee Beebread. <i>Probiotics and Antimicrobial Proteins</i> , 2018 , 10, 638-646	5.5	15
217	Comparative study of thermal domains analyzing of glycated and non-glycated human serum albumin. <i>Thermochimica Acta</i> , 2014 , 594, 24-30	2.9	15
216	Thermodynamics of a molten globule state of human serum albumin by 3-Hydroxybutyrate as a ketone body. <i>International Journal of Biological Macromolecules</i> , 2013 , 54, 258-63	7.9	15
215	Heterogeneity of equilibrium molten globule state of cytochrome c induced by weak salt denaturants under physiological condition. <i>PLoS ONE</i> , 2015 , 10, e0120465	3.7	15
214	Heme degradation upon production of endogenous hydrogen peroxide via interaction of hemoglobin with sodium dodecyl sulfate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 133, 11-7	6.7	15
213	Altered tubulin assembly dynamics with N-homocysteinylylated human 4R/1N tau in vitro. <i>FEBS Letters</i> , 2012 , 586, 3914-9	3.8	15
212	Evidence theoretic protein fold classification based on the concept of hyperfold. <i>Mathematical Biosciences</i> , 2012 , 240, 148-60	3.9	15
211	Use of silver nanoparticles as an electron transfer facilitator in electrochemical ligand-binding of haemoglobin. <i>Journal of Applied Electrochemistry</i> , 2007 , 37, 1021-1026	2.6	15
210	Sequence and stability of the goat cytochrome c. <i>Biophysical Chemistry</i> , 2008 , 138, 23-8	3.5	15
209	A new method for determining the constant-pressure heat capacity change associated with the protein denaturation induced by guanidinium chloride (or urea). <i>Biophysical Chemistry</i> , 2008 , 133, 81-9	3.5	15
208	Molten globule-like state of bovine carbonic anhydrase in the presence of acetonitrile. <i>Journal of Biochemistry</i> , 2006 , 139, 1025-33	3.1	15

207	Physicochemical and bio-functional properties of walnut proteins as affected by trypsin-mediated hydrolysis. <i>Food Bioscience</i> , 2020 , 36, 100611	4.9	14
206	Immobilization of inulinase from <i>Aspergillus niger</i> on octadecyl substituted nanoporous silica: Inulin hydrolysis in a continuous mode operation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016 , 7, 174-180	4.2	14
205	Influence of Taxifolin on the Human Serum Albumin-Proprietary Interaction: Multiple Spectroscopic and Chemometrics Investigations and Molecular Dynamics Simulation. <i>Journal of Solution Chemistry</i> , 2016 , 45, 265-285	1.8	14
204	Investigation of DNA-cationic bolaform surfactants interaction with different spacer length. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 110, 29-35	6	14
203	Characterization of paracetamol binding with normal and glycated human serum albumin assayed by a new electrochemical method. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 315-321	1.5	14
202	Novel cationic surfactant ion pair based solid phase microextraction fiber for nano-level analysis of BTEX. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 13-7	6	14
201	Microglial cell death induced by glycated bovine serum albumin: nitric oxide involvement. <i>Journal of Biochemistry</i> , 2008 , 144, 197-206	3.1	14
200	Carbapenem-based prodrugs. Design, synthesis, and biological evaluation of carbapenems. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 339-49	6.8	14
199	Clarification of calorimetric and van 't hoff enthalpies for evaluation of protein transition states. <i>Biochemical Education</i> , 1994 , 22, 210-211		14
198	Formulation, in vitro evaluation and kinetic analysis of chitosan-gelatin bilayer muco-adhesive buccal patches of insulin nanoparticles. <i>Journal of Microencapsulation</i> , 2016 , 33, 613-624	3.4	14
197	Casein-peroxidase, mixed β -casein-SDS-hemin-imidazole complex: a nano artificial enzyme. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015 , 33, 2619-32	3.6	13
196	Application of merged spectroscopic data combined with chemometric analysis for resolution of hemoglobin intermediates during chemical unfolding. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1974-81	4.4	13
195	Whey protein aggregates formed by non-toxic chemical cross-linking as novel carriers for curcumin delivery: Fabrication and characterization. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 56, 101531	4.5	13
194	Unfolding of insulin at the surface of ZnO quantum dots. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 169-76	7.9	13
193	Inhibition of fluorescent advanced glycation end products (AGEs) of human serum albumin upon incubation with 3-Hydroxybutyrate. <i>Molecular Biology Reports</i> , 2014 , 41, 3705-13	2.8	13
192	Plasma thiol-functionalized carbon nanotubes decorated with gold nanoparticles for glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 488-495	8.5	13
191	The interaction of beta-lactoglobulin with ciprofloxacin and kanamycin; a spectroscopic and molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1968-1978	3.6	13
190	Effects of silica nanoparticle supported ionic liquid as additive on thermal reversibility of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 933-8	7.9	13

189	Endo-inulinase stabilization by pyridoxal phosphate modification: a kinetics, thermodynamics, and simulation approach. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 165, 1661-73	3.2	13
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