

# Ali Akbar Moosavi-Movahedi

## 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.

332  
papers

5,682  
citations

39  
h-index

55  
g-index

340  
ext. papers

6,602  
ext. citations

4.3  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
332	The Calcium-free form of Atorvastatin inhibits amyloid- $\beta$ (1-42) aggregation in vitro.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101662	5.4	2
331	Encapsulation of propolis extract in whey protein nanoparticles. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 158, 113138	5.4	0
330	Relationship between the Structure and Chaperone Activity of Human $\alpha$ -Crystallin after Its Modification with Diabetes-Associated Oxidative Agents and Protective Role of Antioxidant Compounds.. <i>Biochemistry (Moscow)</i> , <b>2022</b> , 87, 91-105	2.9	2
329	A Highly Sensitive Electrochemical Sensor Based on Cyclodextrin Functionalized Multi-Wall Carbon Nanotubes and Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Rutin Detection. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 047509	3.9	4
328	Enzymatically triggered delignification through a novel stable laccase: A mixed in-silico /in-vitro exploration of a complex environmental microbiota.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 211, 328-341	7.9	0
327	A novel strategy for production of liraglutide precursor peptide and development of a new long-acting incretin mimic.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266833	3.7	1
326	Structural and functional studies of D109A human B-crystallin contributing to the development of cataract and cardiomyopathy diseases. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260306	3.7	1
325	Myopathy-associated G154S mutation causes important changes in the conformational stability, amyloidogenic properties, and chaperone-like activity of human B-crystallin.. <i>Biophysical Chemistry</i> , <b>2021</b> , 282, 106744	3.5	1
324	Mechanistic study of lysozyme glycation by fructose and modulation by curcumin derivatives. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 117917	6	0
323	Urea titration of a lipase from Pseudomonas sp. reveals four different conformational states, with a stable partially folded state explaining its high aggregation propensity. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 174, 32-41	7.9	1
322	Lifestyle in the Regulation of Diabetic Disorders. <i>University of Tehran Science and Humanities Series</i> , <b>2021</b> , 129-153	0	1
321	Biodiversity and Drug Discovery Approach to Natural Medicine. <i>University of Tehran Science and Humanities Series</i> , <b>2021</b> , 61-74	0	1
320	Unusual spiral structures formed by glycated E-casein in the presence of thioflavin T: amyloid transformation?. <i>Mendeleev Communications</i> , <b>2021</b> , 31, 73-75	1.9	0
319	The concept of protein folding/unfolding and its impacts on human health. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2021</b> , 126, 227-278	5.3	0
318	Philosophy Virtue of Nature, Mankind and Natural Health. <i>University of Tehran Science and Humanities Series</i> , <b>2021</b> , 1-8	0	0
317	Halal Products and Healthy Lifestyle. <i>University of Tehran Science and Humanities Series</i> , <b>2021</b> , 115-127	0	0
316	Upgrading the enzymatic hydrolysis of lignocellulosic biomass by immobilization of metagenome-derived novel halotolerant cellulase on the carboxymethyl cellulose-based hydrogel. <i>Cellulose</i> , <b>2021</b> , 28, 3485-3503	5.5	8

315	Novel Method For the Isolation of Proteins and Small Target Molecules from Biological and Aqueous Media by Salt-Assisted Phase Transformation of Their PEGylated Recognition Counterparts. <i>ACS Omega</i> , <b>2021</b> , 6, 7585-7597	3.9	
314	Current Developments in Native Nanometric Discoidal Membrane Bilayer Formed by Amphipathic Polymers. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
313	Expression, purification and molecular dynamics simulation of extracellular domain of glucagon-like peptide-2 receptor linked to teduglutide. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 184, 812-820	7.9	
312	Review on oxidative stress relation on COVID-19: Biomolecular and bioanalytical approach. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 189, 802-818	7.9	2
311	Anti-seizure effects of walnut peptides in mouse models of induced seizure: The involvement of GABA and nitric oxide pathways. <i>Epilepsy Research</i> , <b>2021</b> , 176, 106727	3	3
310	The biochemical association between R157H mutation in human B-crystallin and development of cardiomyopathy: Structural and functional analyses of the mutant protein. <i>Biochimie</i> , <b>2021</b> , 190, 36-49	4.6	1
309	Nutraceuticals and Superfoods. <i>University of Tehran Science and Humanities Series</i> , <b>2021</b> , 75-89	0	
308	The Potential Role of Curcumin in Modulating the Master Antioxidant Pathway in Diabetic Hypoxia-Induced Complications.. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
307	Nanostructured food proteins as efficient systems for the encapsulation of bioactive compounds. <i>Food Science and Human Wellness</i> , <b>2020</b> , 9, 199-213	8.3	26
306	Effects of circularly-polarized electromagnetic fields on solvated hemoglobin structure. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 312, 113283	6	4
305	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> , <b>2020</b> , 56, 101531	4.5	13
304	The correlation between ROS generation and LPO process as the function of methylparaben concentrations during hemoglobin fructation. <i>Journal of the Iranian Chemical Society</i> , <b>2020</b> , 17, 1249-1255	2	1
303	Physicochemical and bio-functional properties of walnut proteins as affected by trypsin-mediated hydrolysis. <i>Food Bioscience</i> , <b>2020</b> , 36, 100611	4.9	14
302	Class II Hydrophobin HFBII: A Potential Carrier for Antitumor Agents. <i>Current Bioactive Compounds</i> , <b>2020</b> , 16, 80-84	0.9	1
301	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> , <b>2020</b> , 143, 850-861	7.9	16
300	Structural and functional characterization of D109H and R69C mutant versions of human B-crystallin: The biochemical pathomechanism underlying cataract and myopathy development. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 1142-1160	7.9	13
299	Novel noscapine derivatives stabilize the native state of insulin against fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 98-108	7.9	7
298	Kinetic data analysis of chaperone-like activity of Wt, R69C and D109H B-crystallins. <i>Data in Brief</i> , <b>2020</b> , 28, 104922	1.2	3

297	Walnut protein-curcumin complexes: fabrication, structural characterization, antioxidant properties, and in vitro anticancer activity. <i>Journal of Food Measurement and Characterization</i> , <b>2020</b> , 14, 876-885	2.8	16
296	Physico-chemical and foaming properties of nanofibrillated egg white protein and its functionality in meringue batter. <i>Food Hydrocolloids</i> , <b>2020</b> , 101, 105554	10.6	19
295	A tailored nanostructure design to protect camel casein-curcumin complex against the upper gastrointestinal tract hydrolysis using aggregated whey proteins in order to increase its antioxidant activity. <i>International Journal of Food Properties</i> , <b>2020</b> , 23, 1874-1885	3	0
294	The Stabilizing Mechanism of Immobilized Metagenomic Xylanases on Bio-Based Hydrogels to Improve Utilization Performance: Computational and Functional Perspectives. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 2158-2171	6.3	13
293	Unraveling the molecular heterogeneity in type 2 diabetes: a potential subtype discovery followed by metabolic modeling. <i>BMC Medical Genomics</i> , <b>2020</b> , 13, 119	3.7	2
292	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 4691-4701	6.1	16
291	Characterization of insulin cross-seeding: the underlying mechanism reveals seeding and denaturant-induced insulin fibrillation proceeds through structurally similar intermediates.. <i>RSC Advances</i> , <b>2020</b> , 10, 29885-29899	3.7	4
290	Fabrication and characterization of acid-induced gels from thermally-aggregated egg white protein formed at alkaline condition. <i>Food Hydrocolloids</i> , <b>2020</b> , 99, 105337	10.6	17
289	Stability of multi-subunit proteins and conformational lock. <i>Progress in Biophysics and Molecular Biology</i> , <b>2020</b> , 150, 145-152	4.7	6
288	Modulating Insulin Fibrillation Using Engineered B-Chains with Mutated C-Termini. <i>Biophysical Journal</i> , <b>2019</b> , 117, 1626-1641	2.9	8
287	Glucose Oxidase Immobilized on a Functional Polymer Modified Glassy Carbon Electrode and Its Molecule Recognition of Glucose. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
286	Fabrication and Characterization of Curcumin-Loaded Complex Coacervates Made of Gum Arabic and Whey Protein Nanofibrils. <i>Food Biophysics</i> , <b>2019</b> , 14, 425-436	3.2	17
285	Intensification of serum albumin amyloidogenesis by a glycation-peroxidation loop (GPL). <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 668, 54-60	4.1	5
284	Prevention of haemoglobin glycation by acetylsalicylic acid (ASA): A new view on old mechanism. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214725	3.7	4
283	Steered molecular dynamic simulations of conformational lock of Cu, Zn-superoxide dismutase. <i>Scientific Reports</i> , <b>2019</b> , 9, 4353	4.9	7
282	The impact of water molecules on binding affinity of the anti-diabetic thiazolidinediones for catalase: Kinetic and mechanistic approaches. <i>Archives of Biochemistry and Biophysics</i> , <b>2019</b> , 664, 110-116 <sup>4.1</sup>	4.1	2
281	Structure-electrochemistry relationship for monovalent alkaline metals in non-aqueous solutions. <i>Physics and Chemistry of Liquids</i> , <b>2019</b> , 57, 600-620	1.5	1
280	Personalizing the safe, appropriate and effective concentration(s) of ozone for a non-diabetic individual and four type II diabetic patients in autohemotherapy through blood hemoglobin analysis. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 227	8.5	6

279	Iron-Porphyrin/Cysteine/PEG as Pseudo-Chloroperoxidase Nanozyme. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10357-10364	4	4
278	A first-passage approach to the thermal breakage of a discrete one-dimensional chain. <i>Soft Matter</i> , <b>2019</b> , 15, 2469-2478	3.6	3
277	Effect of free radical-induced aggregation on physicochemical and interface-related functionality of egg white protein. <i>Food Hydrocolloids</i> , <b>2019</b> , 87, 734-746	10.6	33
276	Enhancing the aqueous solubility of curcumin at acidic condition through the complexation with whey protein nanofibrils. <i>Food Hydrocolloids</i> , <b>2019</b> , 87, 902-914	10.6	93
275	Biological evaluation of 9-(1H-Indol-3-yl) xanthen-4-(9H)-ones derivatives as noncompetitive $\beta$ -glucosidase inhibitors: kinetics and molecular mechanisms. <i>Structural Chemistry</i> , <b>2019</b> , 30, 703-714	1.8	4
274	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> , <b>2019</b> , 101, 543-550	5.4	18
273	Aspirin in retrieving the inactivated catalase to active form: Displacement of one inhibitor with a protective agent. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 306-311	7.9	5
272	Activation of catalase via co-administration of aspirin and pioglitazone: Experimental and MLSD simulation approaches. <i>Biochimie</i> , <b>2019</b> , 156, 100-108	4.6	8
271	Identification and characterization of a novel thermostable xylanase from camel rumen metagenome. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 126, 1295-1302	7.9	30
270	The impact of slaughtering methods on physicochemical characterization of sheep myoglobin. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 315-324	2	2
269	Lag phase alteration in the modified bovine serum albumin under the inducing and inhibitory effect of vitamin C. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 1337-1346	2	
268	Determination of diffusion coefficient for released nanoparticles from developed gelatin/chitosan bilayered buccal films. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 1005-1013	7.9	8
267	Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of "off-pathway" oligomers. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 870-879	7.9	7
266	Beneficial Protective Role of Endogenous Lactic Acid Bacteria Against Mycotic Contamination of Honeybee Beebread. <i>Probiotics and Antimicrobial Proteins</i> , <b>2018</b> , 10, 638-646	5.5	15
265	The inhibitory effect of farnesiferol C against catalase; Kinetics, interaction mechanism and molecular docking simulation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 1258-1265	7.9	22
264	Catalase and its mysteries. <i>Progress in Biophysics and Molecular Biology</i> , <b>2018</b> , 140, 5-12	4.7	90
263	Radical cross-linked whey protein aggregates as building blocks of non-heated cold-set gels. <i>Food Hydrocolloids</i> , <b>2018</b> , 81, 429-441	10.6	26
262	Kinetics Study of Protein Hydrolysis and Inhibition of Angiotensin Converting Enzyme by Peptides Hydrolysate Extracted from Walnut. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2018</b> , 24, 77-85	2.1	12

261	Interaction mechanism of insulin with ZnO nanoparticles by replica exchange molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 3623-3635	3.6	7
260	Importance of the positively charged residue at position 54 to the chaperoning function, conformational stability and amyloidogenic nature of human $\beta$ -crystallin. <i>Journal of Biochemistry</i> , <b>2018</b> , 163, 187-199	3.1	3
259	Structure, chaperone-like activity and allergenicity profile of bovine caseins upon peroxy nitrite modification: New evidences underlying mastitis pathomechanisms. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 1258-1269	7.9	0
258	Identification of Novel Single-Domain Antibodies against FGF7 Using Phage Display Technology. <i>SLAS Discovery</i> , <b>2018</b> , 23, 193-201	3.4	5
257	Atorvastatin treatment softens human red blood cells: an optical tweezers study. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 1256-1261	3.5	18
256	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> , <b>2018</b> , 85, 267-280	10.6	63
255	Molecular insights into the effect of ozone on human hemoglobin in autohemotherapy: Highlighting the importance of the presence of blood antioxidants during ozonation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 1276-1285	7.9	8
254	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> , <b>2018</b> , 120, 2247-2258	7.9	24
253	Excitation- emission matrix fluorescence spectroscopy combined with three-way chemometrics analysis to follow denatured states of secondary structure of bovine serum albumin. <i>Journal of Luminescence</i> , <b>2018</b> , 203, 90-99	3.8	4
252	Can any "non-specific charge modification within microtubule binding domains of Tau" be a prerequisite of the protein amyloid aggregation? An in vitro study on the 1N4R isoform. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 188-204	7.9	6
251	A biophysical study on the mechanism of interactions of DOX or PTX with $\beta$ -lactalbumin as a delivery carrier. <i>Scientific Reports</i> , <b>2018</b> , 8, 17345	4.9	12
250	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> , <b>2018</b> , 8, 14507	4.9	18
249	Tailoring egg white proteins by a GRAS redox pair for production of cold-set gel. <i>LWT - Food Science and Technology</i> , <b>2018</b> , 98, 428-437	5.4	6
248	Mechanistic investigation of sulfonamide ligands as human carbonic anhydrase II inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 1198-1207	7.9	11
247	Effect of dry heating on physico-chemical, functional properties and digestibility of camel whey protein. <i>International Dairy Journal</i> , <b>2018</b> , 86, 9-20	3.5	11
246	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 100, 67-74	7.9	29
245	Antioxidant Peptidic Particles for Delivery of Gallic Acid. <i>Journal of Food Processing and Preservation</i> , <b>2017</b> , 41, e12767	2.1	9
244	The importance of the non-active site and non-periodical structure located histidine residue respect to the structure and function of exo-inulinase. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 542-549	7.9	12



243	Mixed SDS-Hemin-Imidazole at low ionic strength being efficient peroxidase-like as a nanozyme. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 522, 233-241	5.1	6
242	Biomolecular content of camel milk: A traditional superfood towards future healthcare industry. <i>Trends in Food Science and Technology</i> , <b>2017</b> , 62, 49-58	15.3	66
241	The impact of different mutations at Arg54 on structure, chaperone-like activity and oligomerization state of human $\alpha$ -crystallin: The pathomechanism underlying congenital cataract-causing mutations R54L, R54P and R54C. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 604-618	4	19
240	What can we get from varying scan rate in protein differential scanning calorimetry?. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 151-159	7.9	4
239	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> , <b>2017</b> , 14, 1527-1540	2	42
238	The structural damages of lens crystallins induced by peroxy nitrite and methylglyoxal, two causative players in diabetic complications and preventive role of lens antioxidant components. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 74-88	7.9	5
237	Studies to reveal the nature of interactions between catalase and curcumin using computational methods and optical techniques. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 550-556	7.9	26
236	Antichaperone activity and heme degradation effect of methyl tert-butyl ether (MTBE) on normal and diabetic hemoglobins. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2596	2.6	3
235	Activation of catalase by pioglitazone: Multiple spectroscopic methods combined with molecular docking studies. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2648	2.6	30
234	Machine Learning and Network Analysis of Molecular Dynamics Trajectories Reveal Two Chains of Red/Ox-specific Residue Interactions in Human $\beta$ -Protein Disulfide Isomerase. <i>Scientific Reports</i> , <b>2017</b> , 7, 3666	4.9	18
233	Time-frequency approach in the cluster assignment of amino acids based on their NMR profiles. <i>Journal of the Iranian Chemical Society</i> , <b>2017</b> , 14, 2221-2228	2	1
232	Preferential role of iron in heme degradation of hemoglobin upon gamma irradiation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 1087-1095	7.9	7
231	Interaction of insulin with colloidal ZnS quantum dots functionalized by various surface capping agents. <i>Materials Science and Engineering C</i> , <b>2017</b> , 77, 836-845	8.3	8
230	Red/ox states of human protein disulfide isomerase regulate binding affinity of 17 beta-estradiol. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 619, 35-44	4.1	3
229	Protective role of antioxidant compounds against peroxy nitrite-mediated modification of R54C mutant $\alpha$ -crystallin. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 629, 43-53	4.1	2
228	Magnetic nanoparticles as double-edged swords: concentration-dependent ordering or disordering effects on lysozyme. <i>RSC Advances</i> , <b>2017</b> , 7, 54813-54822	3.7	9
227	Histidine substitution in the most flexible fragments of firefly luciferase modifies its thermal stability. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 629, 8-18	4.1	4
226	Destructive effect of non-enzymatic glycation on catalase and remediation via curcumin. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 630, 81-90	4.1	17

225	Counteraction of the deleterious effects of reactive oxygen species on hemoglobin structure and function by ellagic acid. <i>Journal of Luminescence</i> , <b>2017</b> , 182, 1-7	3.8	5
224	The interaction of beta-lactoglobulin with ciprofloxacin and kanamycin; a spectroscopic and molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1968-1978	3.6	13
223	Structure and function of anhydride-modified forms of human insulin: In silico, in vitro and in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 96, 342-350	5.1	7
222	Detection of Guanine and Adenine Using an Aminated Reduced Graphene Oxide Functional Membrane-Modified Glassy Carbon Electrode. <i>Sensors</i> , <b>2017</b> , 17,	3.8	10
221	Effect of dextran on the thermodynamic stability and structure of ribonuclease A. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 181-189	2	10
220	A soft-template nanostructured peroxidase based on cytochrome c and sodium decyl sulfate and its electrochemical properties on hydroxyl fullerenes modified glassy carbon electrode. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 471-479	2	3
219	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> , <b>2016</b> , 609, 1-19	4.1	18
218	Vitamin E induces regular structure and stability of human insulin, more intense than vitamin D. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 868-878	7.9	7
217	Improving Pharmaceutical Characteristics of Curcumin by Alginate/Pectin Microparticles. <i>Pharmaceutical Chemistry Journal</i> , <b>2016</b> , 50, 131-136	0.9	5
216	Toxicity of serum albumin on microglia upon seeding effect of amyloid peptide. <i>Journal of Biochemistry</i> , <b>2016</b> , 160, 325-332	3.1	9
215	A hidden aggregation-prone structure in the heart of hypoxia inducible factor prolyl hydroxylase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2016</b> , 84, 611-23	4.2	2
214	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> , <b>2016</b> , 7, 174-180	4.2	14
213	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> , <b>2016</b> , 51, 609-616	3.8	21
212	Aspirin-mediated acetylation induces structural alteration and aggregation of bovine pancreatic insulin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 362-75	3.6	5
211	Unfolding of insulin at the surface of ZnO quantum dots. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 169-76	7.9	13
210	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> , <b>2016</b> , 157, 41-49	4.4	16
209	Antioxidant activity of low molecular weight alginate produced by thermal treatment. <i>Food Chemistry</i> , <b>2016</b> , 196, 897-902	8.5	64
208	Comparative study of the effects of the structurally similar flavonoids quercetin and taxifolin on the therapeutic behavior of alprazolam. <i>Canadian Journal of Chemistry</i> , <b>2016</b> , 94, 458-469	0.9	9



207	Hydrophobin purification based on the theory of CO <sub>2</sub> -nanobubbles. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2016</b> , 39, 111-118	1.3	4
206	Influence of Taxifolin on the Human Serum Albumin-Propranolol Interaction: Multiple Spectroscopic and Chemometrics Investigations and Molecular Dynamics Simulation. <i>Journal of Solution Chemistry</i> , <b>2016</b> , 45, 265-285	1.8	14
205	Acetoacetate promotes the formation of fluorescent advanced glycation end products (AGEs). <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 2658-2666	3.6	7
204	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> , <b>2016</b> , 82, 328-38	7.9	17
203	Inhibitory Effects of Some Carbohydrates on Nano-Globular Aggregation of both Normal and Glycated Albumin. <i>Avicenna Journal of Medical Biotechnology</i> , <b>2016</b> , 8, 126-32	1.4	1
202	Effect of ficin enzyme on semen viscosity in dromedary camel. <i>Journal of Camel Practice and Research</i> , <b>2016</b> , 23, 219	0.6	3
201	Cation modulation of hemoglobin interaction with sodium n-dodecyl sulphate (SDS) iv: magnesium modulation at pH 7.20. <i>AIMS Biophysics</i> , <b>2016</b> , 3, 146-170	0.8	0
200	Hydrophobic behavior, ROS production, and heme degradation of hemoglobin upon interaction with n-alkyl sulfates. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 2103-2111	2	5
199	H <sub>2</sub> O/air plasma-functionalized carbon nanotubes decorated with MnO <sub>2</sub> for glucose sensing. <i>RSC Advances</i> , <b>2016</b> , 6, 31807-31815	3.7	21
198	Autolysis control and structural changes of purified ficin from Iranian fig latex with synthetic inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 84, 464-71	7.9	6
197	Antioxidant activity and ACE-inhibitory of Class II hydrophobin from wild strain <i>Trichoderma reesei</i> . <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 174-9	7.9	13
196	ACE- inhibitory and radical scavenging activities of bioactive peptides obtained from camel milk casein hydrolysis with proteinase K. <i>Dairy Science and Technology</i> , <b>2016</b> , 96, 489-499		26
195	The Theoretical and Experimental Studies on Oxidation of Straight Chain Amino Acids in Moderately Concentrated Sulfuric Acid Medium. <i>International Journal of Chemical Kinetics</i> , <b>2016</b> , 48, 647-659	1.4	1
194	Formulation, in vitro evaluation and kinetic analysis of chitosan-gelatin bilayer muco-adhesive buccal patches of insulin nanoparticles. <i>Journal of Microencapsulation</i> , <b>2016</b> , 33, 613-624	3.4	14
193	Antioxidant and Anticancer Activities of Walnut ( <i>Juglans regia</i> L.) Protein Hydrolysates Using Different Proteases. <i>Plant Foods for Human Nutrition</i> , <b>2016</b> , 71, 402-409	3.9	57
192	Metallo-vesicular catalysis: A mixture of vesicular cysteine/iron mediates oxidative pH switchable catalysis. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 424, 181-193		13
191	Anti-amyloidogenic Effects of Ellagic Acid on Human Serum Albumin Fibril Formation Induced by Potassium Sorbate and Glucose. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 611-618	2.6	8
190	Enhancement of thermal reversibility and stability of human carbonic anhydrase II by mesoporous nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 67-72	7.9	9

189	Caseoperoxidase, mixed $\beta$ -casein-SDS-hemin-imidazole complex: a nano artificial enzyme. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 2619-32	3.6	13
188	Natural peptide anti-glycation effect in the presence of Aloe vera phenolic components on human serum albumin. <i>RSC Advances</i> , <b>2015</b> , 5, 248-254	3.7	7
187	Electromembrane Extraction of Organic Acid Compounds in Biological Samples Followed by High-Performance Liquid Chromatography. <i>Journal of Chromatographic Science</i> , <b>2015</b> , 53, 1217-21	1.4	7
186	Interaction of insulin with methyl tert-butyl ether promotes molten globule-like state and production of reactive oxygen species. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 80, 610-4	7.9	10
185	Insulin glycation coupled with liposomal lipid peroxidation and microglial cell death. <i>RSC Advances</i> , <b>2015</b> , 5, 33114-33122	3.7	3
184	Hydrogen peroxide sensitive hemoglobin-capped gold nanoclusters as a fluorescence enhancing sensor for the label-free detection of glucose. <i>RSC Advances</i> , <b>2015</b> , 5, 33123-33135	3.7	38
183	The impact of Hydrogen peroxide on structure, stability and functional properties of Human R12C mutant $\alpha$ -crystallin: The imperative insights into pathomechanism of the associated congenital cataract incidence. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 819-30	7.8	19
182	Protection by beta-Hydroxybutyric acid against insulin glycation, lipid peroxidation and microglial cell apoptosis. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 23, 42	3.9	15
181	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> , <b>2015</b> , 159, 139-146	3.8	28
180	Differential propensity of citrate- and polyethylene glycol-coated silver nanoparticles to bovine hemoglobin. <i>Toxicology and Industrial Health</i> , <b>2015</b> , 31, 721-6	1.8	5
179	Nano-web structures constructed with a cellulose acetate/lithium chloride/polyethylene oxide hybrid: modeling, fabrication and characterization. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 760-7	10.3	4
178	Effects of zinc binding on the structure and thermal stability of camel alpha-lactalbumin. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 120, 481-488	4.1	9
177	Alpha-lactalbumin: A new carrier for vitamin D3 food enrichment. <i>Food Hydrocolloids</i> , <b>2015</b> , 45, 124-131	10.6	102
176	Different electrochemical behavior of adult and fetal hemoglobin at ionic liquid-carbon nanotube nanocomposite. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 687-694	2	2
175	Quantitative sequence-activity modeling of antimicrobial hexapeptides using a segmented principal component strategy: an approach to describe and predict activities of peptide drugs containing L/D and unnatural residues. <i>Amino Acids</i> , <b>2015</b> , 47, 125-34	3.5	11
174	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> , <b>2015</b> , 136 Pt C, 1974-81	4.4	13
173	Thermal reversibility and disaggregation of human serum albumin upon incubation with 3- $\beta$ -hydroxybutyrate. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 120, 403-409	4.1	4
172	Dispersive solid phase extraction combined with dispersive liquid-liquid extraction for the determination of BTEX in soil samples: ant colony optimization-artificial neural network. <i>Journal of Chemometrics</i> , <b>2015</b> , 29, 245-252	1.6	7

171	Effect of neohesperidin dihydrochalcone on the activity and stability of alpha-amylase: a comparative study on bacterial, fungal, and mammalian enzymes. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 605-13	2.6	2
170	A novel self-assembled nano micelle as a highly efficient artificial peroxidase based on hexadecyl trimethyl ammonium bromide and cytochrome c. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S73-9	1	1
169	Heterogeneity of equilibrium molten globule state of cytochrome c induced by weak salt denaturants under physiological condition. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120465	3.7	15
168	Curcumin Protects Lactoglobulin Fibril Formation and Fibril-Induced Neurotoxicity in PC12 Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133206	3.7	11
167	In vitro characterization of antibacterial potential of Iranian honey samples against wound bacteria. <i>European Food Research and Technology</i> , <b>2015</b> , 241, 329-339	3.4	6
166	Novel blue-emitting gold nanoclusters confined in human hemoglobin, and their use as fluorescent probes for copper(II) and histidine. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1131-1141	5.8	47
165	Direct evidence for non-specific peroxidase activity of FerritinHemeL complex: possible role in the development of neurodegenerative diseases. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 779-790	2	2
164	Implication of disulfide bridge induced thermal reversibility, structural and functional stability for luciferase. <i>Protein and Peptide Letters</i> , <b>2015</b> , 22, 23-30	1.9	6
163	Curcumin mitigates the fibrillation of human serum albumin and diminishes the formation of reactive oxygen species. <i>Protein and Peptide Letters</i> , <b>2015</b> , 22, 348-53	1.9	7
162	Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel. <i>Journal of Biochemistry</i> , <b>2014</b> , 155, 361-73	3.1	32
161	Deferiprone: structural and functional modulating agent of hemoglobin fructation. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 1723-9	2.8	4
160	Inhibition of fluorescent advanced glycation end products (AGEs) of human serum albumin upon incubation with 3-hydroxybutyrate. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 3705-13	2.8	13
159	Deconvolution and binding study of camel and human serum albumins upon interaction with sodium dodecyl sulphate. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1449-1457	2	1
158	Direct electrochemistry of glucose oxidase and glucose biosensing on a hydroxyl fullerenes modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 30-4	11.8	49
157	Hemoglobin fructation promotes heme degradation through the generation of endogenous reactive oxygen species. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 130, 561-7	4.4	24
156	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells. <i>Photochemical and Photobiological Sciences</i> , <b>2014</b> , 13, 1082-92	4.2	22
155	The influence of the flavonoid quercetin on the interaction of propranolol with human serum albumin: Experimental and theoretical approaches. <i>Journal of Luminescence</i> , <b>2014</b> , 154, 229-240	3.8	29
154	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> , <b>2014</b> , 32, 438-47	3.6	17

153	Comparative study of thermal domains analyzing of glycated and non-glycated human serum albumin. <i>Thermochimica Acta</i> , <b>2014</b> , 594, 24-30	2.9	15
152	Effect of arginine on pre-nucleus stage of interferon beta-1b aggregation. <i>AAPS PharmSciTech</i> , <b>2014</b> , 15, 1619-29	3.9	11
151	A highly sensitive choline biosensor based on bamboo-like multiwall carbon nanotubes/ionic liquid/Prussian blue nanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 694-703	8.5	25
150	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> , <b>2014</b> , 122, 341-349	6	17
149	How a protein can remain stable in a solvent with high content of urea: insights from molecular dynamics simulation of Candida antarctica lipase B in urea : choline chloride deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14882-93	3.6	138
148	Glycated albumin: an overview of the In Vitro models of an In Vivo potential disease marker. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2014</b> , 13, 49	2.5	77
147	Anticancer activity and DNA-binding properties of novel cationic Pt(II) complexes. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 86-96	7.9	42
146	Synthesis and characterization of a newly designed di-copper(II)-based complex and study of its artificial enzyme catalytic activity. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1381-1390	2	3
145	Direct electron transfer of horseradish peroxidase on a functional nanocomplex modified glassy carbon electrode. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 1079-84	1	3
144	Electrochemistry and molecular modeling of the hemoglobin-Benzene interaction with a nanocrystalline mixed metal oxide. <i>RSC Advances</i> , <b>2014</b> , 4, 49128-49136	3.7	10
143	Spectroscopic and Molecular Dynamics Studies on Binding of Dimethylplatinum(II) Complex Drug to Human Serum Albumin. <i>Bulletin of the Chemical Society of Japan</i> , <b>2014</b> , 87, 1094-1100	5.1	2
142	New insight on biological interaction analysis: new nanocrystalline mixed metal oxide SPME fiber for GC-FID analysis of BTEX and its application in human hemoglobin-benzene interaction studies. <i>PLoS ONE</i> , <b>2014</b> , 9, e102992	3.7	4
141	Computational investigation of inhibitory mechanism of flavonoids as bovine serum albumin anti-glycation agents. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 22, 79	3.9	7
140	Immobilization of endo-inulinase on poly-d-lysine coated CaCO <sub>3</sub> micro-particles. <i>Food Research International</i> , <b>2014</b> , 66, 485-492	7	21
139	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> , <b>2014</b> , 133, 11-7	6.7	15
138	A nano self-assembled artificial peroxidase: spectroscopic and electrochemical investigations. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1397-1405	2	3
137	Anticancer and DNA binding activities of platinum (IV) complexes; importance of leaving group departure rate. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 2604-17	3.2	21
136	A tri state mechanism for oxygen release in fish hemoglobin: Using as a model. <i>Molecular Biology Research Communications</i> , <b>2014</b> , 3, 101-113	1.6	

135	The species and heme pocket properties of sturgeon hemoglobins upon interaction with N-dodecyl trimethylammonium bromide. <i>Protein and Peptide Letters</i> , <b>2014</b> , 21, 171-8	1.9	1
134	A surfactant-heme-sulfonil imidazole system as a nano-artificial enzyme. <i>Journal of the Iranian Chemical Society</i> , <b>2013</b> , 10, 961-968	2	10
133	Unfolding mechanism of PHD2 as a vital protein: all-atom simulation approach. <i>Journal of the Iranian Chemical Society</i> , <b>2013</b> , 10, 907-914	2	
132	Plasma thiol-functionalized carbon nanotubes decorated with gold nanoparticles for glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 488-495	8.5	13
131	Effects of 940 Hz EMF on luciferase solution: structure, function, and dielectric studies. <i>Bioelectromagnetics</i> , <b>2013</b> , 34, 489-98	1.6	11
130	Heat-induced conformational unfolding of fatty acid-free and fatted camel serum albumin: a comparative study. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 67, 727-34	3.2	4
129	Cation modulation of hemoglobin interaction with sodium n-dodecyl sulfate (SDS). III: Calcium interaction with R- and mixed spin states of hemoglobin S at pH 5.0: the musical chair paradox. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 67, 547-55	3.2	0
128	Thermal inactivation and conformational lock studies on glucose oxidase. <i>Structural Chemistry</i> , <b>2013</b> , 24, 1105-1110	1.8	6
127	Investigation of DNA-cationic bolaform surfactants interaction with different spacer length. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 110, 29-35	6	14
126	Correlation between biological activity and electron transferring of bovine liver catalase: Osmolytes effects. <i>Electrochimica Acta</i> , <b>2013</b> , 113, 591-602	6.7	3
125	Biocompatible nanotubes as potential carrier for curcumin as a model bioactive compound. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	24
124	A fresh look at the male-specific region of the human Y chromosome. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 6-22	5.6	39
123	The toxic effects of mobile phone radiofrequency (940 MHz) on the structure of calf thymus DNA. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 88, 35-41	7	8
122	Lactoglobulin-sodium alginate interaction as affected by polysaccharide depolymerization using high intensity ultrasound. <i>Food Hydrocolloids</i> , <b>2013</b> , 32, 235-244	10.6	73
121	Potassium sorbate as an AGE activator for human serum albumin in the presence and absence of glucose. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 146-54	7.9	12
120	Investigation of thermal reversibility and stability of glycated human serum albumin. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 358-64	7.9	22
119	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> , <b>2013</b> , 66, 279-285	3.7	27
118	Purification and autolysis of the ficin isoforms from fig ( <i>Ficus carica</i> cv. Sabz) latex. <i>Phytochemistry</i> , <b>2013</b> , 87, 16-22	4	45



117	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> , <b>2013</b> , 29, 82-87	3.5	119
116	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> , <b>2013</b> , 89, 317-325	6.7	29
115	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> , <b>2013</b> , 58, 351-358	2.9	24
114	The role of trehalose for metastable state and functional form of recombinant interferon beta-1b. <i>Journal of Biotechnology</i> , <b>2013</b> , 163, 318-24	3.7	11
113	Thermodynamics of a molten globule state of human serum albumin by 3-hydroxybutyrate as a ketone body. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 54, 258-63	7.9	15
112	Thermal inactivation and conformational lock studies on horse liver alcohol dehydrogenase: structural mechanism. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 58, 66-72	7.9	10
111	Spectroscopic and Electrochemical Studies on the Interaction of Carmoisine Food Additive with Native Calf Thymus DNA. <i>Spectroscopy Letters</i> , <b>2013</b> , 46, 250-256	1.1	21
110	Complex coacervation of $\beta$ -lactoglobulin - $\beta$ -carrageenan aqueous mixtures as affected by polysaccharide sonication. <i>Food Chemistry</i> , <b>2013</b> , 141, 215-22	8.5	62
109	Effect of compatible and noncompatible osmolytes on the enzymatic activity and thermal stability of bovine liver catalase. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2013</b> , 31, 1440-54	3.6	12
108	Structural analysis and aggregation propensity of reduced and nonreduced glycated insulin adducts. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 170, 623-38	3.2	28
107	Modified $\beta$ -casein restores thermal reversibility of human carbonic anhydrase II: the salt bridge mechanism. <i>Biotechnology and Applied Biochemistry</i> , <b>2013</b> , 60, 298-304	2.8	3
106	Denaturation and intermediates study of two sturgeon hemoglobins by n-dodecyl trimethylammonium bromide. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 53, 107-13	7.9	4
105	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> , <b>2013</b> , 101, 256-65	6	46
104	Direct electrochemistry of hemoglobin immobilized on a functionalized multi-walled carbon nanotubes and gold nanoparticles nanocomplex-modified glassy carbon electrode. <i>Sensors</i> , <b>2013</b> , 13, 8595-611	3.8	42
103	Physicochemical and biological characterization of pep-1/elastin complexes. <i>Chemical Biology and Drug Design</i> , <b>2013</b> , 82, 189-95	2.9	4
102	Cobalt nanoflowers: Synthesis, characterization and derivatization to cobalt hexacyanoferrate/Electrocatalytic oxidation and determination of sulfite and nitrite. <i>Electrochimica Acta</i> , <b>2012</b> , 77, 294-301	6.7	42
101	A self-assembled nano-cluster complex based on cytochrome c and nafion: An efficient nanostructured peroxidase. <i>Biochemical Engineering Journal</i> , <b>2012</b> , 65, 16-22	4.2	12
100	A novel impedimetric nanobiosensor for low level determination of hydrogen peroxide based on biocatalysis of catalase. <i>Bioelectrochemistry</i> , <b>2012</b> , 83, 31-7	5.6	44



99	Biochemical characterization of hemoglobins from Caspian Sea sturgeons ( <i>Acipenser persicus</i> and <i>Acipenser stellatus</i> ). <i>Cell Biochemistry and Biophysics</i> , <b>2012</b> , 62, 73-81	3.2	8
98	A highly efficient nano-cluster artificial peroxidase and its direct electrochemistry on a nano complex modified glassy carbon electrode. <i>Analytical Sciences</i> , <b>2012</b> , 28, 711-6	1.7	8
97	Altered tubulin assembly dynamics with N-homocysteinylation human 4R/1N tau in vitro. <i>FEBS Letters</i> , <b>2012</b> , 586, 3914-9	3.8	15
96	An in vitro study of the role of Ebswellic acid in the microtubule assembly dynamics. <i>FEBS Letters</i> , <b>2012</b> , 586, 4132-8	3.8	10
95	Cytochrome c embraced in sodium dodecyl sulfate nano-micelle as a homogeneous nanostructured peroxidase. <i>Journal of the Iranian Chemical Society</i> , <b>2012</b> , 9, 775-782	2	9
94	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> , <b>2012</b> , 9, 737-746	2	17
93	Evidence theoretic protein fold classification based on the concept of hyperfold. <i>Mathematical Biosciences</i> , <b>2012</b> , 240, 148-60	3.9	15
92	Direct Electrochemistry of Artificial Peroxidase Based on Self-Assembled Cytochrome c-SDS-Nano-Micelle. <i>Analytical Letters</i> , <b>2012</b> , 45, 2221-2235	2.2	6
91	Comparative DFT study to determine if Hexoaldehydes are precursors for pentosidine formation. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 2986-96	2.8	12
90	Inhibition of mushroom tyrosinase by a newly synthesized ligand: inhibition kinetics and computational simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2012</b> , 30, 448-59	3.6	3
89	The inhibitory effect of ethylenediamine on mushroom tyrosinase. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 573-7	7.9	6
88	The enhancing effect of homocysteine thiolactone on insulin fibrillation and cytotoxicity of insulin fibril. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 291-8	7.9	12
87	Effects of silica nanoparticle supported ionic liquid as additive on thermal reversibility of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 933-8	7.9	13
86	A new aspect to chaperone-like activity of bovine $\beta$ casein by protein-protein interactions study. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 901-7	7.9	2
85	Oligomeric forms of insulin amyloid aggregation disrupt outgrowth and complexity of neuron-like PC12 cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e41344	3.7	53
84	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> , <b>2012</b> , 23, 315-321	1.5	14
83	Disruption of tubulin polymerization and cell proliferation by 1-naphthylarsonic acid. <i>Cell Biology International</i> , <b>2012</b> , 36, 403-8	4.5	1
82	Microperoxidase-11/NH <sub>2</sub> -FSM16 as a H <sub>2</sub> O <sub>2</sub> -resistant heterogeneous nanobiocatalyst: a suicide-inactivation study. <i>Journal of the Iranian Chemical Society</i> , <b>2012</b> , 9, 121-128	2	7

81	Immobilization of superoxide dismutase onto ordered mesoporous silica nanoparticles and improvement of its stability. <i>Journal of the Iranian Chemical Society</i> , <b>2012</b> , 9, 157-161	2	3
80	Structure–cytotoxicity relationship of a novel series of miconazole-like compounds. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 1921-1928	2.2	7
79	Theoretical studies on models of lysine-arginine cross-links derived from $\alpha$ -ketoaldehydes: a new mechanism for glucosepane formation. <i>Journal of Molecular Modeling</i> , <b>2012</b> , 18, 1645-59	2	9
78	Calorimetric and spectroscopic investigations of $\beta$ -lactoglobulin upon interaction with copper ion. <i>Journal of Dairy Research</i> , <b>2012</b> , 79, 209-15	1.6	8
77	Nanosilver-DNA Hybrid Modified Electrode for Electrochemical Sensing of Buspirone in Biological Samples and Pharmaceutical Preparation. <i>Sensor Letters</i> , <b>2012</b> , 10, 814-820	0.9	2
76	Differential Scanning Calorimetry Study on Thermal Denaturation of Human Carbonic Anhydrase II. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1158-1162	2.8	17
75	Biological activity of camel milk casein following enzymatic digestion. <i>Journal of Dairy Research</i> , <b>2011</b> , 78, 471-8	1.6	83
74	Sensitive determination of herbicide trifluralin on the surface of copper nanowire electrochemical sensor. <i>Journal of Solid State Electrochemistry</i> , <b>2011</b> , 15, 1953-1961	2.6	21
73	Endo-inulinase stabilization by pyridoxal phosphate modification: a kinetics, thermodynamics, and simulation approach. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 165, 1661-73	3.2	13
72	Theoretical investigation of interaction of sorbitol molecules with alcohol dehydrogenase in aqueous solution using molecular dynamics simulation. <i>Cell Biochemistry and Biophysics</i> , <b>2011</b> , 59, 79-88	3.2	6
71	Cation modulation of hemoglobin interaction with sodium n-dodecyl sulfate (SDS). II: calcium modulation at pH 5.0. <i>Cell Biochemistry and Biophysics</i> , <b>2011</b> , 61, 573-84	3.2	3
70	Cross-linking mechanisms of arginine and lysine with $\alpha$ -ketoaldehyde compounds in aqueous solution. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 13542-55	2.8	17
69	Novel cationic surfactant ion pair based solid phase microextraction fiber for nano-level analysis of BTEX. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 13-7	6	14
68	A protein fold classifier formed by fusing different modes of pseudo amino acid composition via PSSM. <i>Computational Biology and Chemistry</i> , <b>2011</b> , 35, 1-9	3.6	28
67	Comparative study on heat stability of camel and bovine apo and holo $\alpha$ -lactalbumin. <i>Journal of Dairy Research</i> , <b>2010</b> , 77, 43-9	1.6	29
66	A theoretical elucidation of glucose interaction with HSA's domains. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2010</b> , 28, 211-26	3.6	37
65	Improvement of the antimicrobial and antioxidant activities of camel and bovine whey proteins by limited proteolysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 3297-302	5.7	93
64	Band assignment in hemoglobin porphyrin ring spectrum: using four-orbital model of Gouterman. <i>Protein and Peptide Letters</i> , <b>2010</b> , 17, 473-9	1.9	41

63	Semi-rational chemical modification of endoinulinase by pyridoxal 5?-phosphate and ascorbic acid. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 62, 257-264		8
62	Chemical modification of lysine residues in lysozyme may dramatically influence its amyloid fibrillation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 714-22	4	45
61	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> , <b>2010</b> , 49, 89-94	4.2	24
60	Inhibitory effects of beta-cyclodextrin and trehalose on nanofibril and AGE formation during glycation of human serum albumin. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 653-9	1.9	12
59	Determination of diclofenac on a dysprosium nanowire- modified carbon paste electrode accomplished in a flow injection system by advanced filtering. <i>Sensors</i> , <b>2009</b> , 9, 7903-18	3.8	31
58	Fabrication of carbon nanotube and dysprosium nanowire modified electrodes as a sensor for determination of curcumin. <i>Journal of Applied Electrochemistry</i> , <b>2009</b> , 39, 1983-1992	2.6	36
57	Effect of salts and sodium dodecyl sulfate on chaperone activity of camel alphaS(1)-CN: insulin as the target protein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 71, 300-5	6	12
56	Interference of arsenic trioxide on magnesium dependent polymerization of microtubule proteins. <i>Journal of the Iranian Chemical Society</i> , <b>2009</b> , 6, 715-721	2	2
55	Enzymatic digestion and antioxidant activity of the native and molten globule states of camel lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , <b>2009</b> , 19, 518-523	3.5	63
54	Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 278-85	7.9	41
53	Molecular interaction of human serum albumin with paracetamol: spectroscopic and molecular modeling studies. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 129-34	7.9	69
52	Dual behavior of sodium dodecyl sulfate as enhancer or suppressor of insulin aggregation and chaperone-like activity of camel alphaS(1)-casein. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 511-7	7.9	8
51	Kinetic characterization of hydrolysis of camel and bovine milk proteins by pancreatic enzymes. <i>International Dairy Journal</i> , <b>2008</b> , 18, 1097-1102	3.5	70
50	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> , <b>2008</b> , 42, 392-9	7.9	31
49	A THEORETICAL INVESTIGATION OF MECHANISM OF THE ADENOSINE DEAMINASE MODIFICATION: REACTION OF GLUTAMATE RESIDUE WITH WOODWARD REAGENT K. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2008</b> , 07, 1121-1145	1.8	1
48	Microglial cell death induced by glycated bovine serum albumin: nitric oxide involvement. <i>Journal of Biochemistry</i> , <b>2008</b> , 144, 197-206	3.1	14
47	Electroactive centers in Euphorbia latex and lentil seedling amine oxidases. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2008</b> , 72, 29-36	2.1	4
46	Thermal aggregation of alpha-chymotrypsin: role of hydrophobic and electrostatic interactions. <i>Biophysical Chemistry</i> , <b>2008</b> , 132, 23-32	3.5	37

45	Sequence and stability of the goat cytochrome c. <i>Biophysical Chemistry</i> , <b>2008</b> , 138, 23-8	3.5	15
44	Electrodeposition of nickel oxide nanoparticles on glassy carbon surfaces: application to the direct electron transfer of tyrosinase. <i>Journal of Applied Electrochemistry</i> , <b>2008</b> , 38, 1233-1239	2.6	21
43	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> , <b>2008</b> , 133, 81-9	3.5	15
42	Chemometric study of the aggregation of alcohol dehydrogenase and its suppression by beta-caseins: a mechanistic perspective. <i>Analytica Chimica Acta</i> , <b>2008</b> , 613, 40-7	6.6	20
41	Effects of pH on the activity and structure of choline oxidase from <i>Alcaligenes</i> species. <i>Acta Biochimica Polonica</i> , <b>2008</b> , 55, 549-57	2	1
40	Thermal dissection of lentil seedling amine oxidase domains by differential scanning calorimetry. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 1644-9	2.1	2
39	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> , <b>2007</b> , 127, 140-8	3.5	20
38	Direct electron transfer of horseradish peroxidase on Nafion-cysteine modified gold electrode. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 6261-6267	6.7	60
37	A new method for the determination of haemoglobin concentration using a bromide-modified silver electrode. <i>Biotechnology and Applied Biochemistry</i> , <b>2007</b> , 47, 153-8	2.8	5
36	Stability of DNA upon interaction with dimethyltin dichloride. <i>Medicinal Chemistry Research</i> , <b>2007</b> , 16, 238-257	2.2	2
35	Use of silver nanoparticles as an electron transfer facilitator in electrochemical ligand-binding of haemoglobin. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 1021-1026	2.6	15
34	Electrochemical behavior of caffeic acid at single-walled carbon nanotube:graphite-based electrode. <i>Biophysical Chemistry</i> , <b>2007</b> , 128, 30-7	3.5	34
33	Fundamental studies of the cytochrome c immobilization by the potential cycling method on nanometer-scale nickel oxide surfaces. <i>Biophysical Chemistry</i> , <b>2007</b> , 129, 259-68	3.5	10
32	Fast Fourier transformation with continuous cyclic voltammetry at an Au microelectrode for the determination of morphine in a flow injection system. <i>Talanta</i> , <b>2007</b> , 73, 54-61	6.2	21
31	Role of electrostatic interactions in 2,2,2-trifluoroethanol-induced structural changes and aggregation of alpha-chymotrypsin. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 457, 160-9	4.1	50
30	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> , <b>2007</b> , 41, 597-604	7.9	56
29	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> , <b>2006</b> , 119, 224-33	3.5	38
28	Molten globule-like state of bovine carbonic anhydrase in the presence of acetonitrile. <i>Journal of Biochemistry</i> , <b>2006</b> , 139, 1025-33	3.1	15

27	Direct electron transfer of redox proteins on a Nafion-cysteine modified gold electrode. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 1572-1576	5.1	47
26	Testing polyols' compatibility with Gibbs energy of stabilization of proteins under conditions in which they behave as compatible osmolytes. <i>FEBS Letters</i> , <b>2005</b> , 579, 3891-8	3.8	33
25	Structural changes in $\beta$ -lactoglobulin by conjugation with three different kinds of carboxymethyl cyclodextrins. <i>Thermochimica Acta</i> , <b>2005</b> , 432, 106-111	2.9	23
24	A distinct intermediate of RNase A is induced by sodium dodecyl sulfate at its pK(a). <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 43, 150-7	6	21
23	Carbapenem-based prodrugs. Design, synthesis, and biological evaluation of carbapenems. <i>European Journal of Medicinal Chemistry</i> , <b>2005</b> , 40, 339-49	6.8	14
22	Thermodynamics of protein denaturation by sodium dodecyl sulfate. <i>Journal of the Iranian Chemical Society</i> , <b>2005</b> , 2, 189-196	2	36
21	Effect of polyol osmolytes on $\Delta G(D)$ , the Gibbs energy of stabilisation of proteins at different pH values. <i>Biophysical Chemistry</i> , <b>2005</b> , 117, 1-12	3.5	85
20	Microcalorimetry, energetics and binding studies of DNA $\beta$ -methyltin dichloride complexes. <i>Thermochimica Acta</i> , <b>2004</b> , 414, 233-241	2.9	56
19	Binding properties of adenosine deaminase interacted with theophylline. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2004</b> , 52, 1179-82	1.9	11
18	Modification of substrate inhibition of synaptosomal acetylcholinesterase by cardiotoxins. <i>BMB Reports</i> , <b>2004</b> , 37, 330-8	5.5	3
17	Interaction of glucose oxidase with alkyl-substituted Sepharose 4B. <i>Applied Biochemistry and Biotechnology</i> , <b>2003</b> , 110, 165-74	3.2	7
16	Electrochemical evidence for the molten globule states of cytochrome c induced by N-alkyl sulfates at low concentrations. <i>The Protein Journal</i> , <b>2003</b> , 22, 23-30		57
15	The structural and functional studies of His119 and His12 in RNase A via chemical modification. <i>The Protein Journal</i> , <b>2003</b> , 22, 643-54		12
14	Domain analysis of human apotransferrin upon interaction with sodium n-dodecyl sulphate: differential scanning calorimetry and circular dichroism approaches. <i>Thermochimica Acta</i> , <b>2003</b> , 408, 9-16	2.9	6
13	Aquamethemoglobin reduction by sodium n-dodecyl sulfate via coordinated water oxidation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2003</b> , 30, 139-146	6	19
12	A product inhibition study on adenosine deaminase by spectroscopy and calorimetry. <i>BMB Reports</i> , <b>2002</b> , 35, 302-5	5.5	22
11	Thermodynamic Studies of Myelin Basic Protein upon Interaction with Zinc. <i>Journal of the Chinese Chemical Society</i> , <b>2001</b> , 48, 827-831	1.5	2
10	Enthalpy change of the allosteric transition in human haemoglobin A. <i>Thermochimica Acta</i> , <b>1997</b> , 303, 219-224	2.9	4

9	Resolution Method of Two Sets of Binding Sites for the Cationic Surfactant-Urease Interaction. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 3031-3035	5.1	34
8	Binding Data Analysis of the Interaction of Bovine Hemoglobin with Dodecyltrimethylammonium Bromide. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 2231-2234	5.1	30
7	The shapes of Scatchard plots for systems with two sets of binding sites. <i>Biochemical Education</i> , <b>1996</b> , 24, 172-175		39
6	Comparative thermodynamic stability of bovine and pigeon haemoglobins by interaction with sodium n-Dodecyl sulphate. <i>Thermochimica Acta</i> , <b>1996</b> , 287, 343-349	2.9	17
5	Derivation of the thermodynamic parameters involved in the elucidation of protein thermal profiles. <i>Biochemical Education</i> , <b>1995</b> , 23, 164-167		57
4	Clarification of calorimetric and van 't hoff enthalpies for evaluation of protein transition states. <i>Biochemical Education</i> , <b>1994</b> , 22, 210-211		14
3	Interaction of <i>Aspergillus niger</i> catalase with sodium N-dodecyl sulphate. <i>Pure and Applied Chemistry</i> , <b>1994</b> , 66, 71-75	2.1	6
2	Quench treatment cytochrome c: Transformation from a classical redox protein to a peroxidase like enzyme. <i>Journal of the Iranian Chemical Society</i> , 1	2	0
1	An outlook on suicide enzyme inhibition and drug design. <i>Journal of the Iranian Chemical Society</i> , 1	2	1