

Ali Akbar Moosavi-Movahedi

List of Publications by Year in descending order

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339
papers

7,740
citations

57631

44
h-index

102304

66
g-index

340
all docs

340
docs citations

340
times ranked

8816
citing authors

#	ARTICLE	IF	CITATIONS
1	An outlook on suicide enzyme inhibition and drug design. Journal of the Iranian Chemical Society, 2022, 19, 1575-1592.	1.2	3
2	Myopathy-associated G154S mutation causes important changes in the conformational stability, amyloidogenic properties, and chaperone-like activity of human α B-crystallin. Biophysical Chemistry, 2022, 282, 106744.	1.5	4
3	Inhibiting mTTR Aggregation/Fibrillation by a Chaperone-like Hydrophobic Amino Acid-Conjugated SPION. Journal of Physical Chemistry B, 2022, 126, 1640-1654.	1.2	9
4	The calcium-free form of atorvastatin inhibits amyloid- β (1-42) aggregation in vitro. Journal of Biological Chemistry, 2022, 298, 101662.	1.6	4
5	Encapsulation of propolis extract in whey protein nanoparticles. LWT - Food Science and Technology, 2022, 158, 113138.	2.5	16
6	Relationship between the Structure and Chaperone Activity of Human α A-Crystallin after Its Modification with Diabetes-Associated Oxidative Agents and Protective Role of Antioxidant Compounds. Biochemistry (Moscow), 2022, 87, 91-105.	0.7	2
7	A Highly Sensitive Electrochemical Sensor Based on β -cyclodextrin Functionalized Multi-Wall Carbon Nanotubes and Fe ₃ O ₄ Nanoparticles for Rutin Detection. Journal of the Electrochemical Society, 2022, 169, 047509.	1.3	8
8	Human serum albumin in neurodegeneration. Reviews in the Neurosciences, 2022, 33, 803-817.	1.4	12
9	Enzymatically triggered delignification through a novel stable laccase: A mixed in-silico /in-vitro exploration of a complex environmental microbiota. International Journal of Biological Macromolecules, 2022, 211, 328-341.	3.6	9
10	A novel strategy for production of liraglutide precursor peptide and development of a new long-acting incretin mimic. PLoS ONE, 2022, 17, e0266833.	1.1	6
11	Lifestyle in the Regulation of Diabetic Disorders. University of Tehran Science and Humanities Series, 2021, , 129-153.	0.1	1
12	Biodiversity and Drug Discovery Approach to Natural Medicine. University of Tehran Science and Humanities Series, 2021, , 61-74.	0.1	1
13	Unusual spiral structures formed by glycosylated β -casein in the presence of thioflavin T: amyloid transformation?. Mendeleev Communications, 2021, 31, 73-75.	0.6	0
14	The concept of protein folding/unfolding and its impacts on human health. Advances in Protein Chemistry and Structural Biology, 2021, 126, 227-278.	1.0	2
15	Philosophy Virtue of Nature, Mankind and Natural Health. University of Tehran Science and Humanities Series, 2021, , 1-8.	0.1	0
16	Halal Products and Healthy Lifestyle. University of Tehran Science and Humanities Series, 2021, , 115-127.	0.1	0
17	Upgrading the enzymatic hydrolysis of lignocellulosic biomass by immobilization of metagenome-derived novel halotolerant cellulase on the carboxymethyl cellulose-based hydrogel. Cellulose, 2021, 28, 3485-3503.	2.4	24
18	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. ACS Omega, 2021, 6, 7585-7597.	1.6	1

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19	Urea titration of a lipase from <i>Pseudomonas</i> sp. reveals four different conformational states, with a stable partially folded state explaining its high aggregation propensity. <i>International Journal of Biological Macromolecules</i> , 2021, 174, 32-41.	3.6	5
20	Current Developments in Native Nanometric Discoidal Membrane Bilayer Formed by Amphipathic Polymers. <i>Nanomaterials</i> , 2021, 11, 1771.	1.9	5
21	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> , 2021, 184, 812-820.	3.6	0
22	Review on oxidative stress relation on COVID-19: Biomolecular and bioanalytical approach. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 802-818.	3.6	20
23	Anti-seizure effects of walnut peptides in mouse models of induced seizure: The involvement of GABA and nitric oxide pathways. <i>Epilepsy Research</i> , 2021, 176, 106727.	0.8	11
24	The biochemical association between R157H mutation in human I \pm B-crystallin and development of cardiomyopathy: Structural and functional analyses of the mutant protein. <i>Biochimie</i> , 2021, 190, 36-49.	1.3	7
25	Nutraceuticals and Superfoods. <i>University of Tehran Science and Humanities Series</i> , 2021, , 75-89.	0.1	0
26	Mechanistic study of lysozyme glycation by fructose and modulation by curcumin derivatives. <i>Journal of Molecular Liquids</i> , 2021, 344, 117917.	2.3	1
27	Structural and functional studies of D109A human I \pm B-crystallin contributing to the development of cataract and cardiomyopathy diseases. <i>PLoS ONE</i> , 2021, 16, e0260306.	1.1	7
28	The Potential Role of Curcumin in Modulating the Master Antioxidant Pathway in Diabetic Hypoxia-Induced Complications. <i>Molecules</i> , 2021, 26, 7658.	1.7	18
29	Fabrication and characterization of acid-induced gels from thermally-aggregated egg white protein formed at alkaline condition. <i>Food Hydrocolloids</i> , 2020, 99, 105337.	5.6	30
30	Stability of multi-subunit proteins and conformational lock. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 150, 145-152.	1.4	8
31	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.	3.6	25
32	Structural and functional characterization of D109H and R69C mutant versions of human I \pm B-crystallin: The biochemical pathomechanism underlying cataract and myopathy development. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 1142-1160.	3.6	23
33	Novel nospapine derivatives stabilize the native state of insulin against fibrillation. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 98-108.	3.6	15
34	Kinetic data analysis of chaperone-like activity of Wt, R69C and D109H I \pm B-crystallins. <i>Data in Brief</i> , 2020, 28, 104922.	0.5	5
35	Walnut protein-curcumin complexes: fabrication, structural characterization, antioxidant properties, and in vitro anticancer activity. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 876-885.	1.6	33
36	Physico-chemical and foaming properties of nanofibrillated egg white protein and its functionality in meringue batter. <i>Food Hydrocolloids</i> , 2020, 101, 105554.	5.6	45

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37	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> , 2020, 23, 1874-1885.	1.3	4
38	The Stabilizing Mechanism of Immobilized Metagenomic Xylanases on Bio-Based Hydrogels to Improve Utilization Performance: Computational and Functional Perspectives. <i>Bioconjugate Chemistry</i> , 2020, 31, 2158-2171.	1.8	23
39	Unraveling the molecular heterogeneity in type 2 diabetes: a potential subtype discovery followed by metabolic modeling. <i>BMC Medical Genomics</i> , 2020, 13, 119.	0.7	7
40	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 4691-4701.	2.5	46
41	Characterization of insulin cross-seeding: the underlying mechanism reveals seeding and denaturant-induced insulin fibrillation proceeds through structurally similar intermediates. <i>RSC Advances</i> , 2020, 10, 29885-29899.	1.7	7
42	Nanostructured food proteins as efficient systems for the encapsulation of bioactive compounds. <i>Food Science and Human Wellness</i> , 2020, 9, 199-213.	2.2	70
43	Effects of circularly-polarized electromagnetic fields on solvated hemoglobin structure. <i>Journal of Molecular Liquids</i> , 2020, 312, 113283.	2.3	5
44	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.	1.4	20
45	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> , 2020, 17, 1249-1255.	1.2	5
46	Achilles' heel of the killer virus: the highly important molecular targets for hitting SARS-CoV-2 that causes COVID-19. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1257-1258.	1.2	6
47	Physicochemical and bio-functional properties of walnut proteins as affected by trypsin-mediated hydrolysis. <i>Food Bioscience</i> , 2020, 36, 100611.	2.0	49
48	Class II Hydrophobin HFBI: A Potential Carrier for Antitumor Agents. <i>Current Bioactive Compounds</i> , 2020, 16, 80-84.	0.2	1
49	Structure-electrochemistry relationship for monovalent alkaline metals in non-aqueous solutions. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 600-620.	0.4	1
50	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> , 2019, 17, 227.	1.8	8
51	Iron-Porphyrin/Cysteine/PEG as Pseudo-Chloroperoxidase Nanozyme. <i>ChemistrySelect</i> , 2019, 4, 10357-10364.	0.7	7
52	Modulating Insulin Fibrillation Using Engineered B-Chains with Mutated C-Termini. <i>Biophysical Journal</i> , 2019, 117, 1626-1641.	0.2	25
53	Glucose Oxidase Immobilized on a Functional Polymer Modified Glassy Carbon Electrode and Its Molecule Recognition of Glucose. <i>Polymers</i> , 2019, 11, 115.	2.0	13
54	Fabrication and Characterization of Curcumin-Loaded Complex Coacervates Made of Gum Arabic and Whey Protein Nanofibrils. <i>Food Biophysics</i> , 2019, 14, 425-436.	1.4	31

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55	Intensification of serum albumin amyloidogenesis by a glycation-peroxidation loop (GPL). Archives of Biochemistry and Biophysics, 2019, 668, 54-60.	1.4	6
56	Prevention of haemoglobin glycation by acetylsalicylic acid (ASA): A new view on old mechanism. PLoS ONE, 2019, 14, e0214725.	1.1	9
57	Steered molecular dynamic simulations of conformational lock of Cu, Zn-superoxide dismutase. Scientific Reports, 2019, 9, 4353.	1.6	11
58	The impact of water molecules on binding affinity of the anti-diabetic thiazolidinediones for catalase: Kinetic and mechanistic approaches. Archives of Biochemistry and Biophysics, 2019, 664, 110-116.	1.4	5
59	A first-passage approach to the thermal breakage of a discrete one-dimensional chain. Soft Matter, 2019, 15, 2469-2478.	1.2	7
60	Effect of free radical-induced aggregation on physicochemical and interface-related functionality of egg white protein. Food Hydrocolloids, 2019, 87, 734-746.	5.6	63
61	Enhancing the aqueous solubility of curcumin at acidic condition through the complexation with whey protein nanofibrils. Food Hydrocolloids, 2019, 87, 902-914.	5.6	183
62	Biological evaluation of 9-(1H-Indol-3-yl) xanthen-4(9H)-ones derivatives as noncompetitive α -glucosidase inhibitors: kinetics and molecular mechanisms. Structural Chemistry, 2019, 30, 703-714.	1.0	5
63	The techno-functional properties of camel whey protein compared to bovine whey protein for fabrication a model high protein emulsion. LWT - Food Science and Technology, 2019, 101, 543-550.	2.5	26
64	Aspirin in retrieving the inactivated catalase to active form: Displacement of one inhibitor with a protective agent. International Journal of Biological Macromolecules, 2019, 122, 306-311.	3.6	7
65	Activation of catalase via co-administration of aspirin and pioglitazone: Experimental and MLSD simulation approaches. Biochimie, 2019, 156, 100-108.	1.3	10
66	Identification and characterization of a novel thermostable xylanase from camel rumen metagenome. International Journal of Biological Macromolecules, 2019, 126, 1295-1302.	3.6	48
67	The impact of slaughtering methods on physicochemical characterization of sheep myoglobin. Journal of the Iranian Chemical Society, 2019, 16, 315-324.	1.2	4
68	Lag phase alteration in the modified bovine serum albumin under the inducing and inhibitory effect of vitamin C. Journal of the Iranian Chemical Society, 2018, 15, 1337-1346.	1.2	0
69	Determination of diffusion coefficient for released nanoparticles from developed gelatin/chitosan bilayered buccal films. International Journal of Biological Macromolecules, 2018, 112, 1005-1013.	3.6	16
70	Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of α -off-pathway α -oligomers. International Journal of Biological Macromolecules, 2018, 111, 870-879.	3.6	8
71	Beneficial Protective Role of Endogenous Lactic Acid Bacteria Against Mycotic Contamination of Honeybee Beebread. Probiotics and Antimicrobial Proteins, 2018, 10, 638-646.	1.9	25
72	The inhibitory effect of farnesiferol C against catalase; Kinetics, interaction mechanism and molecular docking simulation. International Journal of Biological Macromolecules, 2018, 113, 1258-1265.	3.6	32

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73	Catalase and its mysteries. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 140, 5-12.	1.4	175
74	Radical cross-linked whey protein aggregates as building blocks of non-heated cold-set gels. <i>Food Hydrocolloids</i> , 2018, 81, 429-441.	5.6	42
75	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> , 2018, 24, 77-85.	0.9	20
76	Interaction mechanism of insulin with ZnO nanoparticles by replica exchange molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3623-3635.	2.0	12
77	Importance of the positively charged residue at position 54 to the chaperoning function, conformational stability and amyloidogenic nature of human I \pm A-crystallin. <i>Journal of Biochemistry</i> , 2018, 163, 187-199.	0.9	5
78	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> , 2018, 106, 1258-1269.	3.6	3
79	Identification of Novel Single-Domain Antibodies against FGF7 Using Phage Display Technology. <i>SLAS Discovery</i> , 2018, 23, 193-201.	1.4	6
80	Can any α -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> , 2018, 109, 188-204.	3.6	12
81	A biophysical study on the mechanism of interactions of DOX or PTX with I \pm -lactalbumin as a delivery carrier. <i>Scientific Reports</i> , 2018, 8, 17345.	1.6	17
82	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.	1.6	26
83	Tailoring egg white proteins by a GRAS redox pair for production of cold-set gel. <i>LWT - Food Science and Technology</i> , 2018, 98, 428-437.	2.5	8
84	Mechanistic investigation of sulfonamide ligands as human carbonic anhydrase II inhibitors. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1198-1207.	3.6	19
85	Effect of dry heating on physico-chemical, functional properties and digestibility of camel whey protein. <i>International Dairy Journal</i> , 2018, 86, 9-20.	1.5	17
86	Atorvastatin treatment softens human red blood cells: an optical tweezers study. <i>Biomedical Optics Express</i> , 2018, 9, 1256.	1.5	22
87	Cold gelation of curcumin loaded whey protein aggregates mixed with κ -carrageenan: Impact of gel microstructure on the gastrointestinal fate of curcumin. <i>Food Hydrocolloids</i> , 2018, 85, 267-280.	5.6	124
88	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> , 2018, 119, 1276-1285.	3.6	10
89	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.	3.6	39
90	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> , 2018, 203, 90-99.	1.5	8

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91	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 67-74.	3.6	44
92	Antioxidant Peptidic Particles for Delivery of Gallic Acid. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12767.	0.9	13
93	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> , 2017, 98, 542-549.	3.6	14
94	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> , 2017, 522, 233-241.	2.3	8
95	Biomolecular content of camel milk: A traditional superfood towards future healthcare industry. <i>Trends in Food Science and Technology</i> , 2017, 62, 49-58.	7.8	100
96	The impact of different mutations at Arg54 on structure, chaperone-like activity and oligomerization state of human α -crystallin: The pathomechanism underlying congenital cataract-causing mutations R54L, R54P and R54C. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 604-618.	1.1	25
97	What can we get from varying scan rate in protein differential scanning calorimetry?. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 151-159.	3.6	5
98	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.	1.2	70
99	The structural damages of lens crystallins induced by peroxyxynitrite and methylglyoxal, two causative players in diabetic complications and preventive role of lens antioxidant components. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 74-88.	3.6	6
100	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.	3.6	35
101	Antichaperone activity and heme degradation effect of methyl tert-butyl ether (MTBE) on normal and diabetic hemoglobins. <i>Journal of Molecular Recognition</i> , 2017, 30, e2596.	1.1	5
102	Activation of catalase by pioglitazone: Multiple spectroscopic methods combined with molecular docking studies. <i>Journal of Molecular Recognition</i> , 2017, 30, e2648.	1.1	37
103	Machine Learning and Network Analysis of Molecular Dynamics Trajectories Reveal Two Chains of Red/Ox-specific Residue Interactions in Human β -Protein Disulfide Isomerase. <i>Scientific Reports</i> , 2017, 7, 3666.	1.6	33
104	Time-frequency approach in the cluster assignment of amino acids based on their NMR profiles. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2221-2228.	1.2	2
105	Preferential role of iron in heme degradation of hemoglobin upon gamma irradiation. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 1087-1095.	3.6	8
106	Interaction of insulin with colloidal ZnS quantum dots functionalized by various surface capping agents. <i>Materials Science and Engineering C</i> , 2017, 77, 836-845.	3.8	11
107	Red/ox states of human protein disulfide isomerase regulate binding affinity of 17 beta-estradiol. <i>Archives of Biochemistry and Biophysics</i> , 2017, 619, 35-44.	1.4	4
108	Protective role of antioxidant compounds against peroxyxynitrite-mediated modification of R54C mutant α -crystallin. <i>Archives of Biochemistry and Biophysics</i> , 2017, 629, 43-53.	1.4	3

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109	Magnetic nanoparticles as double-edged swords: concentration-dependent ordering or disordering effects on lysozyme. <i>RSC Advances</i> , 2017, 7, 54813-54822.	1.7	15
110	Histidine substitution in the most flexible fragments of firefly luciferase modifies its thermal stability. <i>Archives of Biochemistry and Biophysics</i> , 2017, 629, 8-18.	1.4	10
111	Destructive effect of non-enzymatic glycation on catalase and remediation via curcumin. <i>Archives of Biochemistry and Biophysics</i> , 2017, 630, 81-90.	1.4	27
112	Counteraction of the deleterious effects of reactive oxygen species on hemoglobin structure and function by ellagic acid. <i>Journal of Luminescence</i> , 2017, 182, 1-7.	1.5	8
113	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.	2.0	16
114	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> , 2017, 96, 342-350.	1.9	11
115	Detection of Guanine and Adenine Using an Aminated Reduced Graphene Oxide Functional Membrane-Modified Glassy Carbon Electrode. <i>Sensors</i> , 2017, 17, 1652.	2.1	14
116	Staphylococcal subclinical mastitis in dromedary dairy camel. <i>Journal of Camel Practice and Research</i> , 2017, 24, 175.	0.0	0
117	Hydrophobic behavior, ROS production, and heme degradation of hemoglobin upon interaction with n-alkyl sulfates. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 2103-2111.	1.2	6
118	H ₂ O ₂ /air plasma-functionalized carbon nanotubes decorated with MnO ₂ for glucose sensing. <i>RSC Advances</i> , 2016, 6, 31807-31815.	1.7	24
119	Autolysis control and structural changes of purified ficin from Iranian fig latex with synthetic inhibitors. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 464-471.	3.6	6
120	Antioxidant activity and ACE-inhibitory of Class II hydrophobin from wild strain <i>Trichoderma reesei</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 91, 174-179.	3.6	17
121	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.	2.2	36
122	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> , 2016, 48, 647-659.	1.0	1
123	Formulation, <i>in vitro</i> evaluation and kinetic analysis of chitosan-gelatin bilayer muco-adhesive buccal patches of insulin nanoparticles. <i>Journal of Microencapsulation</i> , 2016, 33, 613-624.	1.2	20
124	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.	1.4	105
125	Metallo-vesicular catalysis: A mixture of vesicular cysteine/iron mediates oxidative pH switchable catalysis. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 181-193.	4.8	14
126	Antiamyloidogenic Effects of Ellagic Acid on Human Serum Albumin Fibril Formation Induced by Potassium Sorbate and Glucose. <i>Journal of Molecular Recognition</i> , 2016, 29, 611-618.	1.1	8

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127	Appraisal of role of the polyanionic inducer length on amyloid formation by 412-residue 1N4R Tau protein: A comparative study. Archives of Biochemistry and Biophysics, 2016, 609, 1-19.	1.4	24
128	Vitamin E induces regular structure and stability of human insulin, more intense than vitamin D3. International Journal of Biological Macromolecules, 2016, 93, 868-878.	3.6	10
129	Improving Pharmaceutical Characteristics of Curcumin by Alginate/Pectin Microparticles. Pharmaceutical Chemistry Journal, 2016, 50, 131-136.	0.3	8
130	Toxicity of serum albumin on microglia upon seeding effect of amyloid peptide. Journal of Biochemistry, 2016, 160, 325-332.	0.9	11
131	A hidden aggregation-prone structure in the heart of hypoxia inducible factor prolyl hydroxylase. Proteins: Structure, Function and Bioinformatics, 2016, 84, 611-623.	1.5	2
132	Immobilization of inulinase from Aspergillus niger on octadecyl substituted nanoporous silica: Inulin hydrolysis in a continuous mode operation. Biocatalysis and Agricultural Biotechnology, 2016, 7, 174-180.	1.5	16
133	<i>In vitro</i> antioxidant activities of hydrolysates obtained from Iranian wild almond (<i>Mygdalus scoparia</i>) protein by several enzymes. International Journal of Food Science and Technology, 2016, 51, 609-616.	1.3	26
134	Aspirin-mediated acetylation induces structural alteration and aggregation of bovine pancreatic insulin. Journal of Biomolecular Structure and Dynamics, 2016, 34, 362-375.	2.0	7
135	Unfolding of insulin at the surface of ZnO quantum dots. International Journal of Biological Macromolecules, 2016, 86, 169-176.	3.6	17
136	Human hemoglobin structural and functional alterations and heme degradation upon interaction with benzene: A spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 41-49.	2.0	23
137	Antioxidant activity of low molecular weight alginate produced by thermal treatment. Food Chemistry, 2016, 196, 897-902.	4.2	93
138	Comparative study of the effects of the structurally similar flavonoids quercetin and taxifolin on the therapeutic behavior of alprazolam. Canadian Journal of Chemistry, 2016, 94, 458-469.	0.6	10
139	Hydrophobin purification based on the theory of CO ₂ -nanobubbles. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 111-118.	0.5	9
140	Influence of Taxifolin on the Human Serum Albumin-Propranolol Interaction: Multiple Spectroscopic and Chemometrics Investigations and Molecular Dynamics Simulation. Journal of Solution Chemistry, 2016, 45, 265-285.	0.6	16
141	Acetoacetate promotes the formation of fluorescent advanced glycation end products (AGEs). Journal of Biomolecular Structure and Dynamics, 2016, 34, 1-9.	2.0	8
142	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. International Journal of Biological Macromolecules, 2016, 82, 328-338.	3.6	17
143	Effect of dextran on the thermodynamic stability and structure of ribonuclease A. Journal of the Iranian Chemical Society, 2016, 13, 181-189.	1.2	13
144	A soft-template nanostructured peroxidase based on cytochrome c and sodium decyl sulfate and its electrochemical properties on hydroxyl fullerenes modified glassy carbon electrode. Journal of the Iranian Chemical Society, 2016, 13, 471-479.	1.2	6

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145	Estimation of somatic cell count, as gold standard to detect subclinical mastitis, in dromedary camel. <i>Journal of Camel Practice and Research</i> , 2016, 23, 175.	0.0	1
146	Effect of ficin enzyme on semen viscosity in dromedary camel. <i>Journal of Camel Practice and Research</i> , 2016, 23, 219.	0.0	3
147	Cation modulation of hemoglobin interaction with sodium n-dodecyl sulphate (SDS) iv: magnesium modulation at pH 7.20. <i>AIMS Biophysics</i> , 2016, 3, 146-170.	0.3	1
148	Inhibitory Effects of Some Carbohydrates on Nano-Globular Aggregation of both Normal and Glycated Albumin. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 126-32.	0.2	1
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