

Mehran Habibi Rezaei

List of Publications by Year in descending order

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52
papers

861
citations

471509

17
h-index

526287

27
g-index

52
all docs

52
docs citations

52
times ranked

1313
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycated albumin: an overview of the In Vitro models of an In Vivo potential disease marker. <i>Journal of Diabetes and Metabolic Disorders</i> , 2014, 13, 49.	1.9	106
2	Catalytic phenol removal using entrapped cross-linked laccase aggregates. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 359-366.	7.5	64
3	Modification of reduced graphene/Au-aptamer to develop an electrochemical based aptasensor for measurement of glycated albumin. <i>Talanta</i> , 2020, 211, 120722.	5.5	47
4	Anti-Viral Potential and Modulation of Nrf2 by Curcumin: Pharmacological Implications. <i>Antioxidants</i> , 2020, 9, 1228.	5.1	47
5	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 67-74.	7.5	44
6	Dietary soybean phosphatidylcholine affects growth performance and lipolytic enzyme activity in Caspian brown trout (<i>Salmo trutta Caspius</i>) alevin. <i>Aquaculture Research</i> , 2011, 42, 655-663.	1.8	31
7	Hemoglobin fructation promotes heme degradation through the generation of endogenous reactive oxygen species. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 561-567.	3.9	31
8	Preparation and characterization of curcumin-loaded polymeric nanomicelles to interference with amyloidogenesis through glycation method. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 537-544.	3.1	30
9	Characterization and functional properties of protein isolates from wild almond. <i>Journal of Food Measurement and Characterization</i> , 2017, 11, 1725-1733.	3.2	25
10	Immobilization of endo-inulinase on poly-d-lysine coated CaCO ₃ micro-particles. <i>Food Research International</i> , 2014, 66, 485-492.	6.2	22
11	Protection by beta-Hydroxybutyric acid against insulin glycation, lipid peroxidation and microglial cell apoptosis. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 42.	2.0	22
12	An investigation on the effect of β -CD modified Fe ₃ O ₄ magnetic nanoparticles on aggregation of amyloid β peptide (25-35). <i>Materials Technology</i> , 2016, 31, 315-321.	3.0	19
13	Heme degradation upon production of endogenous hydrogen peroxide via interaction of hemoglobin with sodium dodecyl sulfate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 133, 11-17.	3.8	18
14	Deletion of loop fragment adjacent to active site diminishes the stability and activity of exo-inulinase. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1234-1241.	7.5	18
15	Physicochemical properties and biological activities of honeys from different geographical and botanical origins in Iran. <i>European Food Research and Technology</i> , 2017, 243, 1019-1030.	3.3	18
16	L-arginine modified magnetic nanoparticles: green synthesis and characterization. <i>Nanotechnology</i> , 2018, 29, 075706.	2.6	18
17	Unraveling the novel effects of aroma from small molecules in preventing hen egg white lysozyme amyloid fibril formation. <i>PLoS ONE</i> , 2018, 13, e0189754.	2.5	18
18	Prevention of Serum Albumin Glycation/Fibrillation by β -Cyclodextrin Functionalized Magnetic Nanoparticles. <i>Protein and Peptide Letters</i> , 2015, 22, 594-600.	0.9	18

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19	The Potential Role of Curcumin in Modulating the Master Antioxidant Pathway in Diabetic Hypoxia-Induced Complications. <i>Molecules</i> , 2021, 26, 7658.	3.8	18
20	Microglial Cell Death Induced by Glycated Bovine Serum Albumin: Nitric Oxide Involvement. <i>Journal of Biochemistry</i> , 2008, 144, 197-206.	1.7	17
21	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> , 2015, 80, 610-614.	7.5	17
22	Immobilization of inulinase from <i>Aspergillus niger</i> on octadecyl substituted nanoporous silica: Inulin hydrolysis in a continuous mode operation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 7, 174-180.	3.1	16
23	Magnetic nanoparticles as double-edged swords: concentration-dependent ordering or disordering effects on lysozyme. <i>RSC Advances</i> , 2017, 7, 54813-54822.	3.6	15
24	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.	7.5	14
25	Glycated albumin precipitation using aptamer conjugated magnetic nanoparticles. <i>Scientific Reports</i> , 2020, 10, 10716.	3.3	12
26	Detection of Glycated Albumin Using a Novel Field Effect Aptasensor. <i>IEEE Sensors Journal</i> , 2020, 20, 10387-10392.	4.7	12
27	Human serum albumin in neurodegeneration. <i>Reviews in the Neurosciences</i> , 2022, 33, 803-817.	2.9	12
28	Synthesis and Characterization of Acylated Polycaprolactone (PCL) Nanospheres and Investigation of Their Influence on Aggregation of Amyloid Proteins. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 71-80.	1.0	11
29	Toxicity of serum albumin on microglia upon seeding effect of amyloid peptide. <i>Journal of Biochemistry</i> , 2016, 160, 325-332.	1.7	11
30	Prevention of haemoglobin glycation by acetylsalicylic acid (ASA): A new view on old mechanism. <i>PLoS ONE</i> , 2019, 14, e0214725.	2.5	9
31	Inhibiting mTTR Aggregation/Fibrillation by a Chaperone-like Hydrophobic Amino Acid-Conjugated SPION. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1640-1654.	2.6	9
32	Growth response, body composition and fatty acid profile of Caspian brown trout (<i>Salmo trutta</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 International, 2011, 19, 611-623.	2.2	8
33	In vitro characterization of antibacterial potential of Iranian honey samples against wound bacteria. <i>European Food Research and Technology</i> , 2015, 241, 329-339.	3.3	8
34	Anti-amyloidogenic 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.	2.1	8
35	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.	2.2	6
36	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.	7.5	6

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37	Intensification of serum albumin amyloidogenesis by a glycation-peroxidation loop (GPL). Archives of Biochemistry and Biophysics, 2019, 668, 54-60.	3.0	6
38	Fabrication of a glycation induced amyloid nanofibril and polyalizarin yellow R nanobiocomposite: Application for electrocatalytic determination of hydrogen peroxide. International Journal of Biological Macromolecules, 2019, 123, 1297-1304.	7.5	6
39	Solvent-free Synthesis of Halogenated Furo[2,3- <i>d</i>] pyrimidines and Their Cytotoxic Activity on the T47D Breast Cancer Cell Line. Organic Preparations and Procedures International, 2020, 52, 374-380.	1.3	6
40	The inhibitory effect of dissolved carbaryl in dioxane on physically adsorbed acetylcholinesterase. Reaction Kinetics and Catalysis Letters, 2009, 98, 391-401.	0.6	5
41	The correlation between ROS generation and LPO process as the function of methylparaben concentrations during hemoglobin fructation. Journal of the Iranian Chemical Society, 2020, 17, 1249-1255.	2.2	5
42	Thermal reversibility and disaggregation of human serum albumin upon incubation with 3- β hydroxybutyrate. Journal of Thermal Analysis and Calorimetry, 2015, 120, 403-409.	3.6	4
43	Circadian Rhythmicity of Diazinon Susceptibility, Detoxifying Enzymes, and Energy Reserves in <i>Aphis gossypii</i> (Hemiptera: Aphididae). Journal of Economic Entomology, 2016, 109, 1651-1659.	1.8	4
44	Modeling, simulation, and employing dilution-based dialysis microfluidic chip (DDMC) for heightening proteins refolding efficiency. Bioprocess and Biosystems Engineering, 2018, 41, 707-714.	3.4	4
45	The ambivalent effect of Fe ₃ O ₄ nanoparticles on the urea-induced unfolding and dilution-based refolding of lysozyme. Biomedical Materials (Bristol), 2018, 13, 045014.	3.3	4
46	Insulin glycation coupled with liposomal lipid peroxidation and microglial cell death. RSC Advances, 2015, 5, 33114-33122.	3.6	3
47	The oxidative and neurotoxic potentials of the ambient PM2.5 extracts: The efficient multi-solvent extraction method. Science of the Total Environment, 2022, 810, 152291.	8.0	3
48	Kinetic properties and heme pocket structure of two domains of the polymeric hemoglobin of <i>Artemia</i> in comparison with the native molecule. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1307-1316.	2.3	2
49	Effects of Supercritical CO ₂ on Quantity and Quality of Extracted Oil from Myctophidae Fish and Comparison It with the Wet Pressing as a Commercial Method. Turkish Journal of Fisheries and Aquatic Sciences, 2022, 22, .	0.9	2
50	Mechanistic study of lysozyme glycation by fructose and modulation by curcumin derivatives. Journal of Molecular Liquids, 2021, 344, 117917.	4.9	1
51	Enhanced recovery yield by utilizing an improved purification method for recombinant human follicle-stimulating hormone expressed in CHO cells: Applying CaptureSelect [®] , [®] -FSH affinity matrix. Journal of Liquid Chromatography and Related Technologies, 2021, 44, 465-475.	1.0	1
52	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.	2.2	0