

Ali Akbar Saboury

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.

329
papers

8,042
citations

47
h-index

70
g-index

342
ext. papers

9,467
ext. citations

4.3
avg, IF

6.55
L-index

#	Paper	IF	Citations
329	Current and Future Perspectives on the COVID-19 Vaccine: A Scientometric Review.. <i>Journal of Clinical Medicine</i> , 2022 , 11,	5.1	4
328	Probable Reasons for Neuron Copper Deficiency in the Brain of Patients with Alzheimer's Disease: The Complex Role of Amyloid. <i>Inorganics</i> , 2022 , 10, 6	2.9	0
327	The Calcium-free form of Atorvastatin inhibits amyloid- β (1-42) aggregation in vitro.. <i>Journal of Biological Chemistry</i> , 2022 , 101662	5.4	2
326	A novel DNA/hemin complex with enzyme-like activity selected from a hairpin DNAs library at zero H ₂ O ₂ concentration. <i>Molecular Catalysis</i> , 2022 , 519, 112156	3.3	
325	The influence of Cadaverine on the structure, stability, and activity of acid phosphatase. <i>Journal of Molecular Structure</i> , 2022 , 1247, 131372	3.4	0
324	Retracted articles in oncology in the last three decades: frequency, reasons, and themes. <i>Scientometrics</i> , 2022 , 127, 1841-1865	3	
323	Unravelling the Novel Effects of Three Volatile Compounds in Preventing Fibril Formation of Disease Related Tau and β Synuclein Proteins- Towards Identifying Candidate Aromatic Substances for Treating Neurodegenerative Diseases.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 793727	5.6	0
322	Designing a new alginate-fibrinogen biomaterial composite hydrogel for wound healing.. <i>Scientific Reports</i> , 2022 , 12, 7213	4.9	2
321	Irreversible thermal inactivation and conformational lock of alpha glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3256-3262	3.6	3
320	The interaction of xylitol with Carboxypeptidase A: the influence of xylitol on enzyme structure and activity. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131877	3.4	0
319	Prediction of antimicrobial peptides toxicity based on their physico-chemical properties using machine learning techniques. <i>BMC Bioinformatics</i> , 2021 , 22, 549	3.6	3
318	Infection of Human Cells by SARS-CoV-2 and Molecular Overview of Gastrointestinal, Neurological, and Hepatic Problems in COVID-19 Patients. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	4
317	Molecular insights into the interaction of 5-fluorouracil and FeO nanoparticles with beta-casein: An experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 267, 120538	4.4	1
316	Binding Interaction of Glycated, Fructated and Native Human Hemoglobin with Bulk Propolis 2021 , 45, 785-793		
315	Green synthesis of nanocarbon dots using hydrothermal carbonization of lysine amino acid and its application in detection of duloxetine. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 2863	2	0
314	Hypothesis of using albumin to improve drug efficacy in cancers accompanied by hypoalbuminemia. <i>Xenobiotica</i> , 2021 , 51, 778-785	2	
313	The effect of sorbitol on the structure and activity of carboxypeptidase A: Insights from a spectroscopic and computational approach. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115710	6	6

312	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3025-3033	3.6	181
311	Protein interaction and in vitro cytotoxicity studies of newly designed palladium (II) nitrate complexes: spectrochemical, theoretical and biological assessments. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 873-886	2	1
310	Tryptophan-functionalized graphene quantum dots with enhanced curcumin loading capacity and pH-sensitive release. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102137	4.5	5
309	Binding evaluation of human serum albumin and a Pd(II) bischelate complex bearing N,O-alanine and O,O-malonate ligands: synthesis, characterization, biological investigation and molecular docking. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 61-74	2	1
308	Interdisciplinary Approaches to COVID-19. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1318, 923-936	3.6	6
307	What role do metals play in Alzheimer's disease?. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 2199-2213	2	
306	Unusual spiral structures formed by glycosylated β -casein in the presence of thioflavin T: amyloid transformation?. <i>Mendeleev Communications</i> , 2021 , 31, 73-75	1.9	
305	Glucosamine-conjugated graphene quantum dots as versatile and pH-sensitive nanocarriers for enhanced delivery of curcumin targeting to breast cancer. <i>Materials Science and Engineering C</i> , 2021 , 121, 111809	8.3	12
304	Simultaneous delivery of oxali-palladium and iron nanoparticles by β -casein. <i>Journal of Molecular Liquids</i> , 2021 , 333, 115999	6	2
303	Optogenetic Stimulation of Primary Cardiomyocytes Expressing ChR2. <i>Journal of Lasers in Medical Sciences</i> , 2021 , 12, e32	1.6	1
302	The state of the art of biomedical applications of optogenetics. <i>Lasers in Surgery and Medicine</i> , 2021 , ,	3.6	2
301	Molecular aspects of the interaction of acid phosphatase with TiO ₂ nanoparticles: Kinetic and multispectroscopic studies. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131268	3.4	1
300	Evaluation of the effect of MnFe ₂ O ₄ nanoparticles on the activity parameters and stability of acid phosphatase. <i>Monatshefte Für Chemie</i> , 2021 , 152, 175-184	1.4	2
299	Covalent immobilization and characterization of <i>Rhizopus oryzae</i> lipase on core-shell cobalt ferrite nanoparticles for biodiesel production. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 37, 128-128	3.2	4
298	The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , 2020 , 18, 205	8.5	92
297	Efficiency of milk proteins in eliminating practical limitations of β -carotene in hydrated polar solution. <i>Food Chemistry</i> , 2020 , 330, 127218	8.5	0
296	Lipase immobilized on functionalized superparamagnetic few-layer graphene oxide as an efficient nanobiocatalyst for biodiesel production from bio-oil. <i>Biotechnology for Biofuels</i> , 2020 , 13, 57	7.8	41
295	Interaction of the synthesized anticancer compound of the methyl-glycine 1,10-phenanthroline platinum nitrate with human serum albumin and human hemoglobin proteins by spectroscopy methods and molecular docking. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 1601-1614	2	7

294	In silico drug repositioning of FDA-approved drugs to predict new inhibitors for alpha-synuclein aggregation. <i>Computational Biology and Chemistry</i> , 2020 , 88, 107308	3.6	1
293	βSynuclein fibrillation products trigger the release of hexokinase I from mitochondria: Protection by curcumin, and possible role in pathogenesis of Parkinson's disease. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183251	3.8	7
292	Investigation on the interaction of acid phosphatase with putrescine using docking, simulations methods and multispectroscopic techniques. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 90-101	7.9	25
291	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020 , 212, 120782	6.2	27
290	Optimization and development of drug loading in hydroxyapatite/polyvinyl alcohol nanocomposites via response surface modeling approach. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 1141-1151	2	1
289	Spectroscopic analysis of the interaction between Co3O4 nanoparticles and acid phosphatase. <i>Monatshefte Für Chemie</i> , 2020 , 151, 637-647	1.4	3
288	Cell-Penetrating Peptides: As a Promising Theranostics Strategy to Circumvent the Blood-Brain Barrier for CNS Diseases. <i>Current Drug Delivery</i> , 2020 , 17, 375-386	3.2	10
287	Cytotoxic Activity and DNA Binding Property of New Aminopyrimidine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2020 , 17, 640-654	0.8	1
286	Binding studies of crocin to βLactoglobulin and its impacts on both components. <i>Food Hydrocolloids</i> , 2020 , 108, 106003	10.6	11
285	Investigating the interaction of porcine pancreatic elastase and propanol: A spectroscopy and molecular simulation study. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 687-691	7.9	10
284	Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 665-676	7.9	50
283	Comparative studies on the interaction of spermidine with carboxypeptidase A using multispectroscopic and docking methods. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 821-831	7.9	3
282	Comprehensive Physico-Chemical Characterization of a Serotonin Inclusion Complex with 2-Hydroxypropyl-βCyclodextrin. <i>Journal of Solution Chemistry</i> , 2020 , 49, 915-944	1.8	4
281	Molecular insights into inclusion complex formation between βand γcyclodextrins and rosmarinic acid. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113802	6	22
280	Immobilization of Cellulase onto Core-Shell Magnetic Gold Nanoparticles Functionalized by Aspartic Acid and Determination of its Activity. <i>Protein Journal</i> , 2020 , 39, 328-336	3.9	3
279	Biodegradation of phenol and dyes with horseradish peroxidase covalently immobilized on functionalized RGO-SiO nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4403-4414	7.9	7
278	Spermine as a possible endogenous allosteric activator of carboxypeptidase A: multispectroscopic and molecular simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 101-113	3.6	13
277	Spermine as a porcine pancreatic elastase activator: spectroscopic and molecular simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 78-88	3.6	6

276	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129435	4	45
275	Study of alkaline phosphatase interaction with putrescine using multi-spectroscopic and docking methods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110509	6	4
274	Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2746-2762	3.6	14
273	Interaction, cytotoxicity and sustained release assessment of a novel anti-tumor agent using bovine serum albumin nanocarrier. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2546-2558	3.6	5
272	Theranostic β -Lactalbumin-Polymer-Based Nanocomposite as a Drug Delivery Carrier for Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5189-5208	5.5	10
271	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. <i>Journal of Controlled Release</i> , 2019 , 311-312, 170-189	11.7	102
270	Propolis nanoparticles prevent structural changes in human hemoglobin during glycation and fructation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 188-195	6	9
269	Reactive oxygen species generated by titanium oxide nanoparticles stimulate the hemoglobin denaturation and cytotoxicity against human lymphocyte cell. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 4875-4881	3.6	8
268	Evaluation of Versatile Peroxidase Activity and Conformation in the Presence of a Hydrated Urea Based Deep Eutectic Solvent. <i>Journal of Solution Chemistry</i> , 2019 , 48, 689-701	1.8	3
267	Immobilization of Alcohol Dehydrogenase on Titania Nanoparticles To Enhance Enzyme Stability and Remove Substrate Inhibition in the Reaction of Formaldehyde to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9844-9854	3.9	13
266	Probing the Interaction of Newly Synthesized Pt(II) Complex on Human Serum Albumin Using Competitive Binding Site Markers. <i>Journal of Fluorescence</i> , 2019 , 29, 827-835	2.4	7
265	Investigation on the structure and function of porcine pancreatic elastase (PPE) under the influence of putrescine: A spectroscopy and molecular simulation study. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111115	6	7
264	A molecular investigation into the interaction of SiO nanoparticles with elastase by multispectroscopic techniques and kinetic studies. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 216-222	7.9	4
263	Spectroscopic and molecular docking studies on the interaction between spermidine and pancreatic elastase. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 473-483	7.9	28
262	Gold-capped mesoporous silica nanoparticles as an excellent enzyme-responsive nanocarrier for controlled doxorubicin delivery. <i>Journal of Drug Targeting</i> , 2019 , 27, 1084-1093	5.4	25
261	Stabilizing osmolytes' effects on the structure, stability and function of tc-tenecteplase: A one peptide bond digested form of tenecteplase. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 863-877	7.9	2
260	Spectroscopic investigations on the interaction between cadmium telluride semiconductor nanoparticle and bovine alkaline phosphatase. <i>Spectroscopy Letters</i> , 2019 , 52, 81-90	1.1	5
259	Polymyxins interaction to the human serum albumin: A thermodynamic and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 217, 155-163	4.4	6

258	Molecular interaction of fibrinogen with zeolite nanoparticles. <i>Scientific Reports</i> , 2019 , 9, 1558	4.9	12
257	Involvement of planned cell death of necroptosis in cancer treatment by nanomaterials: Recent advances and future perspectives. <i>Journal of Controlled Release</i> , 2019 , 299, 121-137	11.7	39
256	Amorphous aggregation of tau in the presence of titanium dioxide nanoparticles: biophysical, computational, and cellular studies. <i>International Journal of Nanomedicine</i> , 2019 , 14, 901-911	7.3	16
255	Biological evaluations of newly-designed Pt(II) and Pd(II) complexes using spectroscopic and molecular docking approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 3422-3433	3.6	6
254	Structural Effects of the Synthetic cobalt-Manganese-Zinc Ferrite Nanoparticles (Co _{0.3} Mn _{0.2} Zn _{0.5} Fe ₂ O ₄ NPs) on DNA and its Antiproliferative Effect on T47D cells. <i>BioNanoScience</i> , 2019 , 9, 821-832	3.4	4
253	Adenosine deaminase inhibition. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 1246-1257	7.9	12
252	Modulation of cardiac optogenetics by vitamin A. <i>BioFactors</i> , 2019 , 45, 983-990	6.1	4
251	Silymarin-albumin nanoplex: Preparation and its potential application as an antioxidant in nervous system in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , 2019 , 572, 118824	6.5	12
250	Three Pt-Pt Complexes with Donor-acceptor Feature: Anticancer Activity, DNA Binding Studies and Molecular Docking Simulation. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019 , 19, 1762-1774	2.2	4
249	A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 971-991	4	48
248	A comprehensive review on tyrosinase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 279-309	5.6	331
247	Catalytic activity, structure and stability of proteinase K in the presence of biosynthesized CuO nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 732-744	7.9	30
246	Mesoporous silica nanoparticles for therapeutic/diagnostic applications. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 1100-1111	7.5	181
245	Cancer diagnosis using nanomaterials based electrochemical nanobiosensors. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 773-784	11.8	90
244	Tau folding and cytotoxicity of neuroblastoma cells in the presence of manganese oxide nanoparticles: Biophysical, molecular dynamics, cellular, and molecular studies. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 674-682	7.9	10
243	The effects of nickel oxide nanoparticles on tau protein and neuron-like cells: Biothermodynamics and molecular studies. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 330-339	7.9	11
242	Synthesis and characterization of biocompatible ferrofluid based on magnetite nanoparticles and its effect on immunoglobulin G as an immune protein. <i>Journal of Molecular Liquids</i> , 2019 , 273, 326-338	6	10
241	Binding of β -carotene to whey proteins: Multi-spectroscopic techniques and docking studies. <i>Food Chemistry</i> , 2019 , 277, 96-106	8.5	41

240	Nanozymes with intrinsic peroxidase-like activities. <i>Journal of Molecular Liquids</i> , 2019 , 278, 130-144	6	64
239	Psychological stress effects on myelin degradation in the cuprizone-induced model of demyelination. <i>Neuropathology</i> , 2019 , 39, 14-21	2	4
238	Multiple Spectroscopic, Docking and Cytotoxic Study of a Synthesized 2,2' Bipyridin Phenyl Isopentylglycin Pt(II) Nitrate Complex: Human Serum Albumin and Breast Cancer Cell Line of MDA-MB231 as Targets. <i>Journal of Fluorescence</i> , 2018 , 28, 551-559	2.4	4
237	Gold nanoparticles fabrication by plant extracts: synthesis, characterization, degradation of 4-nitrophenol from industrial wastewater, and insecticidal activity [A review]. <i>Journal of Cleaner Production</i> , 2018 , 184, 740-753	10.3	72
236	Biomolecular Corona Dictates A β Fibrillation Process. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1725-1734	5.7	20
235	Natural Polyphenols Selectively Inhibit β Carbonic Anhydrase from the Dandruff-Producing Fungus <i>Malassezia globosa</i> : Activity and Modeling Studies. <i>ChemMedChem</i> , 2018 , 13, 816-823	3.7	24
234	Design and fabrication of pectin-coated nanoliposomal delivery systems for a bioactive polyphenolic: Phloridzin. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 626-637	7.9	22
233	Spectroscopic and docking studies on the interaction between caseins and β carotene. <i>Food Chemistry</i> , 2018 , 255, 187-196	8.5	34
232	Effect of glycated insulin on the blood-brain barrier permeability: An in vitro study. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 647, 54-66	4.1	8
231	Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of "off-pathway" oligomers. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 870-879	7.9	7
230	Physical Adsorption of Horseradish Peroxidase on Reduced Graphene Oxide Nanosheets Functionalized by Amine: A Good System for Biodegradation of High Phenol Concentration in Wastewater. <i>International Journal of Environmental Research</i> , 2018 , 12, 45-57	2.9	26
229	Probing the interaction of two chemotherapeutic drugs of oxali-palladium and 5-fluorouracil simultaneously with milk carrier protein of β lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 422-432	7.9	12
228	Insights into the molecular interaction between sucrose and β chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 950-960	7.9	31
227	Spectroscopic investigation of Bovine Liver Catalase interactions with a novel phen-imidazole derivative of platinum. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 656-662	3.6	14
226	Stability and activity improvement of horseradish peroxidase by covalent immobilization on functionalized reduced graphene oxide and biodegradation of high phenol concentration. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1314-1322	7.9	88
225	Interaction of manganese nanoparticle with cytochrome c: A multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 78-86	7.9	16
224	Photoconversion of an anthraquinone derivative in the presence of human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 205, 298-311	4.4	3
223	A molecular simulation and spectroscopic approach to the binding affinity between trypsin and 2-propanol and protein conformation. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 477-485	7.9	23

222	Cobalt oxide nanoparticles mediate tau denaturation and cytotoxicity against PC-12 cell line. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1763-1772	7.9	9
221	An in-depth view of potential dual effect of thymol in inhibiting xanthine oxidase activity: Electrochemical measurements in combination with four way PARAFAC analysis and molecular docking insights. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 1298-1310	7.9	7
220	How a promising anti-cancer derivative of palladium consisting phen-imidazole ligand affects bovine liver catalase functionality. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 364, 288-296	4.7	9
219	Polyphenolic self-association accounts for redirecting a high-yielding amyloid aggregation. <i>Journal of Molecular Liquids</i> , 2018 , 266, 291-298	6	6
218	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	3.7	14
217	Nile red compensates for thioflavin T assay biased in the presence of curcumin. <i>Journal of Luminescence</i> , 2018 , 195, 1-7	3.8	6
216	Structural analysis of the interaction between free, glycated and fructated hemoglobin with propolis nanoparticles: A spectroscopic study. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 1329-1337	7.9	14
215	ROS-mediated heme degradation and cytotoxicity induced by iron nanoparticles: hemoglobin and lymphocyte cells as targets. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 4235-4245	3.6	15
214	Antiproliferative and interaction studies of a synthesized palladium(II) complex with human hemoglobin. <i>Journal of Molecular Liquids</i> , 2018 , 249, 265-271	6	14
213	Spectroscopic, electrochemical, docking and molecular dynamics studies on the interaction of three oxovanadium (IV) Schiff base complexes with bovine serum albumin and their cytotoxicity against cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3753-3772	3.6	12
212	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 578-587	6	28
211	A biophysical study on the mechanism of interactions of DOX or PTX with β -lactalbumin as a delivery carrier. <i>Scientific Reports</i> , 2018 , 8, 17345	4.9	12
210	Improvement of versatile peroxidase activity and stability by a cholinium-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2018 , 272, 597-608	6	16
209	β -Cyclodextrin-Modified Magnetic Nanoparticles Immobilized on Sepharose Surface Provide an Effective Matrix for Protein Refolding. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9907-9919	3.4	3
208	Biological effect and molecular docking of anticancer palladium and platinum complexes with morpholine dithiocarbamate on human serum albumin as a blood carrier protein. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018 , 96, 1276-1285	2.4	5
207	Biodegradation of asphaltene and petroleum compounds by a highly potent <i>Daedaleopsis</i> sp. <i>Journal of Basic Microbiology</i> , 2018 , 58, 609-622	2.7	16
206	Synthesis of magnetic gold mesoporous silica nanoparticles core shell for cellulase enzyme immobilization: Improvement of enzymatic activity and thermal stability. <i>Process Biochemistry</i> , 2018 , 71, 92-100	4.8	72
205	A comparative study of structure, stability and function of α -tenecteplase in the presence of stabilizing osmolytes. <i>Journal of Biotechnology</i> , 2018 , 280, 1-10	3.7	4

204	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017 , 100, 67-74	7.9	29
203	Exploring the thermal stability and activity of β -chymotrypsin in the presence of spermine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 435-448	3.6	37
202	Spectroscopic analysis of the interaction between NiO nanoparticles and bovine trypsin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1381-1388	3.6	15
201	Studies on the interaction between nanodiamond and human hemoglobin by surface tension measurement and spectroscopy methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 603-615	3.6	30
200	Conjugation of biogenic polyamine (putrescine) with proteinase K: Spectroscopic and theoretical insights. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 150-158	7.9	8
199	A spectroscopic study on the absorption of carbonic anhydrase onto the nanoporous silica nanoparticle. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 739-745	7.9	16
198	The functional and structural stabilization of trypsin by sucrose. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 343-349	7.9	31
197	Selectivity of major isoquinoline alkaloids from <i>Chelidonium majus</i> towards telomeric G-quadruplex: A study using a transition-FRET (t-FRET) assay. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2020-2030	4	25
196	Effect of a Synthesized Amyl-Glycine1, 10-Phenanthroline Platinum Nitrate on Structure and Stability of Human Blood Carrier Protein, Albumin: Spectroscopic and Modeling Approaches. <i>Journal of Fluorescence</i> , 2017 , 27, 1829-1838	2.4	11
195	β -Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1685-1692	6	52
194	Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 10099-10115	3.6	27
193	Inhibition of <i>Malassezia globosa</i> carbonic anhydrase with phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2577-2582	3.4	34
192	3D QSAR studies, pharmacophore modeling, and virtual screening of diarylpyrazole-benzenesulfonamide derivatives as a template to obtain new inhibitors, using human carbonic anhydrase II as a model protein. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 688-700	5.6	11
191	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	4.1	3
190	Investigation of the binding mode of 1, 3, 4-oxadiazole derivatives as amide-based inhibitors for soluble epoxide hydrolase (sEH) by molecular docking and MM-GBSA. <i>European Biophysics Journal</i> , 2017 , 46, 445-459	1.9	9
189	Micelles of poly(lactide)- β -poly(ethylene glycol)- β -poly(lactide) (LA- β -EG- β -PLA) triblock copolymers as insulin delivery system: spectroscopic studies. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 2637-2648	2	1
188	Colon Cancer and Specific Ways to Deliver Drugs to the Large Intestine. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017 , 17, 1317-1327	2.2	9
187	Inhibition of HEWL fibril formation by taxifolin: Mechanism of action. <i>PLoS ONE</i> , 2017 , 12, e0187841	3.7	33

186	Role of Copper in the Onset of Alzheimer's Disease Compared to Other Metals. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 446	5-3	92
185	Vitamin B12 Inhibits Tau Fibrillization via Binding to Cysteine Residues of Tau. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 2676-2682	5-7	27
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