

# Ali Akbar Saboury

## List of Publications by Year in descending order

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Version: 2024-02-01

336  
papers

11,075  
citations

34016

52  
h-index

54797

84  
g-index

342  
all docs

342  
docs citations

342  
times ranked

13292  
citing authors

#	ARTICLE	IF	CITATIONS
1	The state of the art of biomedical applications of optogenetics. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 202-216.	1.1	11
2	The influence of Cadaverine on the structure, stability, and activity of acid phosphatase. <i>Journal of Molecular Structure</i> , 2022, 1247, 131372.	1.8	5
3	Molecular insights into the interaction of 5-fluorouracil and Fe <sub>3</sub> O <sub>4</sub> nanoparticles with beta-casein: An experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120538.	2.0	5
4	The interaction of xylitol with carboxypeptidase A: The influence of xylitol on enzyme structure and activity. <i>Journal of Molecular Structure</i> , 2022, 1250, 131877.	1.8	3
5	Current and Future Perspectives on the COVID-19 Vaccine: A Scientometric Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 750.	1.0	22
6	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.	1.2	5
7	The calcium-free form of atorvastatin inhibits amyloid- $\beta$ (1-42) aggregation in vitro. <i>Journal of Biological Chemistry</i> , 2022, 298, 101662.	1.6	4
8	A novel DNA/hemin complex with enzyme-like activity selected from a hairpin DNAs library at zero H <sub>2</sub> O <sub>2</sub> concentration. <i>Molecular Catalysis</i> , 2022, 519, 112156.	1.0	1
9	Unravelling the Novel Effects of Three Volatile Compounds in Preventing Fibril Formation of Disease Related Tau and $\beta$ -Synuclein Proteins- Towards Identifying Candidate Aromatic Substances for Treating Neurodegenerative Diseases. <i>Frontiers in Pharmacology</i> , 2022, 13, 793727.	1.6	2
10	The effect of 3D structure preparation method on lipase/3DMGO biocatalytic parameters and catalytic performance in transesterification of microalgae bio-oil. <i>Catalysis Today</i> , 2022, 404, 105-116.	2.2	6
11	Designing a new alginate-fibrinogen biomaterial composite hydrogel for wound healing. <i>Scientific Reports</i> , 2022, 12, 7213.	1.6	28
12	Bivalent metal ions induce formation of $\beta$ -synuclein fibril polymorphs with different cytotoxicities. <i>Scientific Reports</i> , 2022, 12, .	1.6	12
13	Thermal stability enhancement: Fundamental concepts of protein engineering strategies to manipulate the flexible structure. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 642-654.	3.6	33
14	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> , 2021, 37, 128-136.	1.7	8
15	Irreversible thermal inactivation and conformational lock of alpha glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1-7.	2.0	5
16	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.	2.0	230
17	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.	1.2	2
18	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.	1.4	15

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19	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.	1.2	3
20	Interdisciplinary Approaches to COVID-19. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1318, 923-936.	0.8	11
21	What role do metals play in Alzheimer's disease?. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2199-2213.	1.2	3
22	Unusual spiral structures formed by glycosylated $\beta$ -casein in the presence of thioflavin T: amyloid transformation?. <i>Mendeleev Communications</i> , 2021, 31, 73-75.	0.6	0
23	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.	3.8	34
24	Binding Interaction of Glycosylated, Fructated and Native Human Hemoglobin with Bulk Propolis. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2021, 45, 785-793.	0.7	1
25	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, 2863-2872.	1.2	4
26	Milk protein-based nanodelivery systems for the cancer treatment. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 483-500.	5.3	18
27	Hypothesis of using albumin to improve drug efficacy in cancers accompanied by hypoalbuminemia. <i>Xenobiotica</i> , 2021, 51, 778-785.	0.5	1
28	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.	2.3	27
29	Simultaneous delivery of oxali-palladium and iron nanoparticles by $\beta$ -casein. <i>Journal of Molecular Liquids</i> , 2021, 333, 115999.	2.3	7
30	Optogenetic Stimulation of Primary Cardiomyocytes Expressing ChR2. <i>Journal of Lasers in Medical Sciences</i> , 2021, 12, e32-e32.	0.4	3
31	Molecular aspects of the interaction of acid phosphatase with TiO <sub>2</sub> nanoparticles: Kinetic and multispectroscopic studies. <i>Journal of Molecular Structure</i> , 2021, 1245, 131268.	1.8	2
32	Evaluation of the effect of MnFe <sub>2</sub> O <sub>4</sub> nanoparticles on the activity parameters and stability of acid phosphatase. <i>Monatshefte für Chemie</i> , 2021, 152, 175-184.	0.9	2
33	Binding of $\beta$ -lipoic acid to human serum albumin: spectroscopic and molecular modeling studies. <i>Monatshefte für Chemie</i> , 2021, 152, 1589-1602.	0.9	2
34	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, 4802.	1.0	14
35	Prediction of antimicrobial peptides toxicity based on their physico-chemical properties using machine learning techniques. <i>BMC Bioinformatics</i> , 2021, 22, 549.	1.2	12
36	A dual responsive robust human serum albumin-based nanocarrier for doxorubicin. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	1.4	2

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37	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.	2.0	30
38	Spermine as a porcine pancreatic elastase activator: spectroscopic and molecular simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 78-88.	2.0	9
39	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129435.	1.1	86
40	Study of alkaline phosphatase interaction with putrescine using multi-spectroscopic and docking methods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110509.	2.5	7
41	Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2746-2762.	2.0	21
42	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.	2.0	13
43	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.	3.6	34
44	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.	3.6	89
45	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.	3.6	4
46	Comprehensive Physico-Chemical Characterization of a Serotonin Inclusion Complex with 2-Hydroxypropyl- $\beta$ -Cyclodextrin. <i>Journal of Solution Chemistry</i> , 2020, 49, 915-944.	0.6	8
47	Molecular insights into inclusion complex formation between $\beta$ - and $\gamma$ -cyclodextrins and rosmarinic acid. <i>Journal of Molecular Liquids</i> , 2020, 314, 113802.	2.3	38
48	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.	0.7	11
49	Biodegradation of phenol and dyes with horseradish peroxidase covalently immobilized on functionalized RGO-SiO <sub>2</sub> nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4403-4414.	3.6	26
50	The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , 2020, 18, 205.	1.8	128
51	Efficiency of milk proteins in eliminating practical limitations of $\beta$ -carotene in hydrated polar solution. <i>Food Chemistry</i> , 2020, 330, 127218.	4.2	4
52	Lipase immobilized on functionalized superparamagnetic few-layer graphene oxide as an efficient nanobiocatalyst for biodiesel production from <i>Chlorella vulgaris</i> bio-oil. <i>Biotechnology for Biofuels</i> , 2020, 13, 57.	6.2	70
53	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.	1.2	13
54	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.	1.1	4

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55	Î±-Synuclein 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.	1.4	17
56	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.	3.6	37
57	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020, 212, 120782.	2.9	52
58	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.	1.2	3
59	Spectroscopic analysis of the interaction between Co <sub>3</sub> O <sub>4</sub> nanoparticles and acid phosphatase. <i>Monatshefte für Chemie</i> , 2020, 151, 637-647.	0.9	4
60	Binding studies of crocin to Î²-Lactoglobulin and its impacts on both components. <i>Food Hydrocolloids</i> , 2020, 108, 106003.	5.6	24
61	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.	0.8	20
62	Cytotoxic Activity and DNA Binding Property of New Aminopyrimidine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 640-654.	0.4	2
63	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.	2.0	8
64	Structural Effects of the Synthetic cobalt/Manganese-Zinc Ferrite Nanoparticles (Co <sub>0.3</sub> Mn <sub>0.2</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> NPs) on DNA and its Antiproliferative Effect on T47D cells. <i>BioNanoScience</i> , 2019, 9, 821-832.	1.5	5
65	Adenosine deaminase inhibition. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 1246-1257.	3.6	34
66	Modulation of cardiac optogenetics by vitamin A. <i>BioFactors</i> , 2019, 45, 983-990.	2.6	8
67	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.	2.6	18
68	Theranostic Î±-Lactalbumin-Polymer-Based Nanocomposite as a Drug Delivery Carrier for Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5189-5208.	2.6	14
69	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. <i>Journal of Controlled Release</i> , 2019, 311-312, 170-189.	4.8	195
70	Propolis nanoparticles prevent structural changes in human hemoglobin during glycation and fructation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 188-195.	2.5	19
71	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.	2.0	12
72	Evaluation of Versatile Peroxidase's Activity and Conformation in the Presence of a Hydrated Urea Based Deep Eutectic Solvent. <i>Journal of Solution Chemistry</i> , 2019, 48, 689-701.	0.6	7

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73	Immobilization of Alcohol Dehydrogenase on Titania Nanoparticles To Enhance Enzyme Stability and Remove Substrate Inhibition in the Reaction of Formaldehyde to Methanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 9844-9854.	1.8	35
74	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.	1.3	12
75	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.	2.3	11
76	A molecular investigation into the interaction of SiO <sub>2</sub> nanoparticles with elastase by multispectroscopic techniques and kinetic studies. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 216-222.	3.6	6
77	Spectroscopic and molecular docking studies on the interaction between spermidine and pancreatic elastase. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 473-483.	3.6	39
78	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.	2.1	40
79	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.	3.6	4
80	Spectroscopic investigations on the interaction between cadmium telluride semiconductor nanoparticle and bovine alkaline phosphatase. <i>Spectroscopy Letters</i> , 2019, 52, 81-90.	0.5	5
81	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.	2.0	16
82	Molecular interaction of fibrinogen with zeolite nanoparticles. <i>Scientific Reports</i> , 2019, 9, 1558.	1.6	21
83	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.	4.8	47
84	&lt;p&gt;Amorphous aggregation of tau in the presence of titanium dioxide nanoparticles: biophysical, computational, and cellular studies&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 901-911.	3.3	22
85	A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 971-991.	1.1	71
86	A comprehensive review on tyrosinase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 279-309.	2.5	597
87	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.	3.6	48
88	Mesoporous silica nanoparticles for therapeutic/diagnostic applications. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 1100-1111.	2.5	357
89	Cancer diagnosis using nanomaterials based electrochemical nanobiosensors. <i>Biosensors and Bioelectronics</i> , 2019, 126, 773-784.	5.3	146
90	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.	3.6	12

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91	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.	3.6	16
92	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.	2.3	11
93	Binding of $\beta$ -carotene to whey proteins: Multi-spectroscopic techniques and docking studies. <i>Food Chemistry</i> , 2019, 277, 96-106.	4.2	72
94	Nanozymes with intrinsic peroxidase-like activities. <i>Journal of Molecular Liquids</i> , 2019, 278, 130-144.	2.3	110
95	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.	0.9	4
96	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.	1.3	5
97	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.	4.6	111
98	Biomolecular Corona Dictates $\text{A}\beta$ Fibrillation Process. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1725-1734.	1.7	23
99	Natural Polyphenols Selectively Inhibit $\beta$ -Carbonic Anhydrase from the Dandruff-Producing Fungus <i>Malassezia globosa</i> : Activity and Modeling Studies. <i>ChemMedChem</i> , 2018, 13, 816-823.	1.6	32
100	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.	3.6	30
101	Spectroscopic and docking studies on the interaction between caseins and $\beta$ -carotene. <i>Food Chemistry</i> , 2018, 255, 187-196.	4.2	49
102	Effect of glycated insulin on the blood-brain barrier permeability: An <i>in vitro</i> study. <i>Archives of Biochemistry and Biophysics</i> , 2018, 647, 54-66.	1.4	12
103	Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of $\beta$ -off-pathway-oligomers. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 870-879.	3.6	8
104	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.	1.1	28
105	Probing the interaction of two chemotherapeutic drugs of oxali-palladium and 5-fluorouracil simultaneously with milk carrier protein of $\beta$ -lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 422-432.	3.6	17
106	Insights into the molecular interaction between sucrose and $\beta$ -chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 950-960.	3.6	46
107	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.	2.0	17
108	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.	3.6	127



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109	Interaction of manganese nanoparticle with cytochrome c: A multi-spectroscopic study. International Journal of Biological Macromolecules, 2018, 106, 78-86.	3.6	20
110	Nile red compensates for thioflavin T assay biased in the presence of curcumin. Journal of Luminescence, 2018, 195, 1-7.	1.5	9
111	Structural analysis of the interaction between free, glycosylated and fructosylated hemoglobin with propolis nanoparticles: A spectroscopic study. International Journal of Biological Macromolecules, 2018, 109, 1329-1337.	3.6	17
112	ROS-mediated heme degradation and cytotoxicity induced by iron nanoparticles: hemoglobin and lymphocyte cells as targets. Journal of Biomolecular Structure and Dynamics, 2018, 36, 4235-4245.	2.0	21
113	Antiproliferative and interaction studies of a synthesized palladium(II) complex with human hemoglobin. Journal of Molecular Liquids, 2018, 249, 265-271.	2.3	14
114	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. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3753-3772.	2.0	18
115	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. Colloids and Surfaces B: Biointerfaces, 2018, 161, 578-587.	2.5	36
116	A biophysical study on the mechanism of interactions of DOX or PTX with $\alpha$ -lactalbumin as a delivery carrier. Scientific Reports, 2018, 8, 17345.	1.6	17
117	Psychological stress effects on myelin degradation in the cuprizone-induced model of demyelination. Neuropathology, 2018, 39, 14-21.	0.7	9
118	Improvement of versatile peroxidase activity and stability by a cholinium-based ionic liquid. Journal of Molecular Liquids, 2018, 272, 597-608.	2.3	28
119	$\beta$ -Cyclodextrin-Modified Magnetic Nanoparticles Immobilized on Sepharose Surface Provide an Effective Matrix for Protein Refolding. Journal of Physical Chemistry B, 2018, 122, 9907-9919.	1.2	3
120	Biological effect and molecular docking of anticancer palladium and platinum complexes with morpholine dithiocarbamate on human serum albumin as a blood carrier protein. Canadian Journal of Physiology and Pharmacology, 2018, 96, 1276-1285.	0.7	7
121	Biodegradation of asphaltene and petroleum compounds by a highly potent <i>Daedaleopsis</i> sp.. Journal of Basic Microbiology, 2018, 58, 609-622.	1.8	25
122	Synthesis of magnetic gold mesoporous silica nanoparticles core shell for cellulase enzyme immobilization: Improvement of enzymatic activity and thermal stability. Process Biochemistry, 2018, 71, 92-100.	1.8	110
123	A comparative study of structure, stability and function of sc-tenecteplase in the presence of stabilizing osmolytes. Journal of Biotechnology, 2018, 280, 1-10.	1.9	4
124	Photoconversion of an anthraquinone derivative in the presence of human serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 298-311.	2.0	3
125	A molecular simulation and spectroscopic approach to the binding affinity between trypsin and 2-propanol and protein conformation. International Journal of Biological Macromolecules, 2018, 119, 477-485.	3.6	33
126	Cobalt oxide nanoparticles mediate tau denaturation and cytotoxicity against PC-12 cell line. International Journal of Biological Macromolecules, 2018, 118, 1763-1772.	3.6	12



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127	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.	3.6	10
128	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.	2.0	16
129	Polyphenolic self-association accounts for redirecting a high-yielding amyloid aggregation. <i>Journal of Molecular Liquids</i> , 2018, 266, 291-298.	2.3	10
130	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.	1.1	18
131	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 67-74.	3.6	44
132	Exploring the thermal stability and activity of $\hat{1}\pm$ -chymotrypsin in the presence of spermine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 435-448.	2.0	45
133	Spectroscopic analysis of the interaction between NiO nanoparticles and bovine trypsin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1381-1388.	2.0	15
134	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.	2.0	32
135	Conjugation of biogenic polyamine (putrescine) with proteinase K: Spectroscopic and theoretical insights. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 150-158.	3.6	8
136	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.	3.6	22
137	The functional and structural stabilization of trypsin by sucrose. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 343-349.	3.6	41
138	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.	1.1	38
139	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.	1.3	17
140	$\hat{1}2$ -Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1685-1692.	1.7	70
141	Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10099-10115.	1.3	36
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