

Ali Akbar Saboury

List of Publications by Year in descending order

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336
papers

11,075
citations

34105
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all docs

342
docs citations

342
times ranked

13292
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on tyrosinase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 279-309.	5.2	597
2	Stability and structural features of DNA intercalation with ethidium bromide, acridine orange and methylene blue. Journal of Molecular Structure, 2007, 827, 35-43.	3.6	362
3	Mesoporous silica nanoparticles for therapeutic/diagnostic applications. Biomedicine and Pharmacotherapy, 2019, 109, 1100-1111.	5.6	357
4	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3025-3033.	3.5	230
5	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. Journal of Controlled Release, 2019, 311-312, 170-189.	9.9	195
6	Nanotoxicity and Spectroscopy Studies of Silver Nanoparticle: Calf Thymus DNA and K562 as Targets. Journal of Physical Chemistry C, 2010, 114, 5798-5803.	3.1	183
7	Cancer diagnosis using nanomaterials based electrochemical nanobiosensors. Biosensors and Bioelectronics, 2019, 126, 773-784.	10.1	146
8	Role of Copper in the Onset of Alzheimer's Disease Compared to Other Metals. Frontiers in Aging Neuroscience, 2017, 9, 446.	3.4	141
9	The urgent need for integrated science to fight COVID-19 pandemic and beyond. Journal of Translational Medicine, 2020, 18, 205.	4.4	128
10	Stability and activity improvement of horseradish peroxidase by covalent immobilization on functionalized reduced graphene oxide and biodegradation of high phenol concentration. International Journal of Biological Macromolecules, 2018, 106, 1314-1322.	7.5	127
11	Alpha-lactalbumin: A new carrier for vitamin D3 food enrichment. Food Hydrocolloids, 2015, 45, 124-131.	10.7	124
12	Biological activity of camel milk casein following enzymatic digestion. Journal of Dairy Research, 2011, 78, 471-478.	1.4	120
13	Interaction of single and multi wall carbon nanotubes with the biological systems: tau protein and PC12 cells as targets. Scientific Reports, 2016, 6, 26508.	3.3	111
14	Gold nanoparticles fabrication by plant extracts: synthesis, characterization, degradation of 4-nitrophenol from industrial wastewater, and insecticidal activity – A review. Journal of Cleaner Production, 2018, 184, 740-753.	9.3	111
15	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.	3.7	110
16	Nanozymes with intrinsic peroxidase-like activities. Journal of Molecular Liquids, 2019, 278, 130-144.	4.9	110
17	Formation of the molten globule-like state during prolonged glycation of human serum albumin. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 933-942.	2.4	109
18	Spectroscopic and theoretical investigation of oxali-palladium interactions with β -lactoglobulin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 1038-1046.	3.9	107

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19	Investigation on the Interaction of Newly Designed Anticancer Pd(II) Complexes with Different Aliphatic Tails and Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14035-14042.	2.6	103
20	A review on the ligand binding studies by isothermal titration calorimetry. <i>Journal of the Iranian Chemical Society</i> , 2006, 3, 1-21.	2.2	94
21	Enzyme inhibition and activation: A general theory. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 219-229.	2.2	90
22	Spectroscopic and cytotoxic studies of the novel designed palladium(II) complexes: β -Lactoglobulin and K562 as the targets. <i>International Journal of Biological Macromolecules</i> , 2007, 40, 381-386.	7.5	89
23	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.	7.5	89
24	β -Lactoglobulin-sodium alginate interaction as affected by polysaccharide depolymerization using high intensity ultrasound. <i>Food Hydrocolloids</i> , 2013, 32, 235-244.	10.7	88
25	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129435.	2.4	86
26	Isothermal titration calorimetric and spectroscopic studies of β -lactoglobulin-water-soluble fraction of Persian gum interaction in aqueous solution. <i>Food Hydrocolloids</i> , 2016, 55, 108-118.	10.7	84
27	Enzymatic digestion and antioxidant activity of the native and molten globule states of camel β -lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , 2009, 19, 518-523.	3.0	83
28	Molecular interaction of human serum albumin with paracetamol: Spectroscopic and molecular modeling studies. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 129-134.	7.5	80
29	Kinetic characterization of hydrolysis of camel and bovine milk proteins by pancreatic enzymes. <i>International Dairy Journal</i> , 2008, 18, 1097-1102.	3.0	79
30	Thermodynamic and conformational changes of protein toward interaction with nanoparticles: a spectroscopic overview. <i>RSC Advances</i> , 2016, 6, 105903-105919.	3.6	79
31	Green synthesis of zinc oxide nanoparticles and their effect on the stability and activity of proteinase K. <i>RSC Advances</i> , 2016, 6, 42313-42323.	3.6	77
32	Interaction study of pioglitazone with albumin by fluorescence spectroscopy and molecular docking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 96-101.	3.9	76
33	Whey protein aerogel as blended with cellulose crystalline particles or loaded with fish oil. <i>Food Chemistry</i> , 2016, 196, 1016-1022.	8.2	76
34	Chitosan-Coated Superparamagnetic Iron Oxide Nanoparticles for Doxorubicin Delivery: Synthesis and Anticancer Effect Against Human Ovarian Cancer Cells. <i>Chemical Biology and Drug Design</i> , 2013, 82, 296-306.	3.2	75
35	Complex coacervation of β -lactoglobulin - β -Carrageenan aqueous mixtures as affected by polysaccharide sonication. <i>Food Chemistry</i> , 2013, 141, 215-222.	8.2	75
36	Binding of β -carotene to whey proteins: Multi-spectroscopic techniques and docking studies. <i>Food Chemistry</i> , 2019, 277, 96-106.	8.2	72

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37	A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 971-991.	2.4	71
38	Investigating the Interaction of Fe Nanoparticles with Lysozyme by Biophysical and Molecular Docking Studies. <i>PLoS ONE</i> , 2016, 11, e0164878.	2.5	70
39	Î²-Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1685-1692.	3.3	70
40	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
41	Interaction of Curcumin and Diacetylcurcumin with the Lipocalin Member Î²-Lactoglobulin. <i>Protein Journal</i> , 2009, 28, 117-123.	1.6	67
42	Probing of the Interaction Between Î²-Lactoglobulin and the Anticancer Drug Oxaliplatin. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 974-987.	2.9	67
43	Î²-Lactoglobulin-pectin Nanoparticle-based Oral Drug Delivery System for Potential Treatment of Colon Cancer. <i>Chemical Biology and Drug Design</i> , 2016, 88, 209-216.	3.2	67
44	Interaction between silver nanoparticle and bovine hemoglobin at different temperatures. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1751-1758.	1.9	64
45	A spectroscopic and thermal stability study on the interaction between putrescine and bovine trypsin. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 145-153.	7.5	63
46	Inhibitory effects of deferiasirox on the structure and function of bovine liver catalase: a spectroscopic and theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 2255-2266.	3.5	62
47	A new insight into mushroom tyrosinase inhibitors: docking, pharmacophore-based virtual screening, and molecular modeling studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 487-501.	3.5	62
48	Palladium complexes: new candidates for anti-cancer drugs. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 967-989.	2.2	60
49	Biophysical study on the interaction between two palladium(II) complexes and human serum albumin by Multispectroscopic methods. <i>Journal of Luminescence</i> , 2015, 167, 391-398.	3.1	59
50	Magnetic cellulose ionomer/layered double hydroxide: An efficient anion exchange platform with enhanced diclofenac adsorption property. <i>Carbohydrate Polymers</i> , 2017, 157, 438-446.	10.2	56
51	Purification and autolysis of the ficin isoforms from fig (<i>Ficus carica</i> cv. Sabz) latex. <i>Phytochemistry</i> , 2013, 87, 16-22.	2.9	55
52	Spectroscopic studies of interaction between CuO nanoparticles and bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1962-1968.	3.5	54
53	Interaction studies between a 1,10-phenanthroline adduct of palladium(II) dithiocarbamate anti-tumor complex and calf thymus DNA. A synthesis spectral and in-vitro study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 312-318.	3.9	53
54	Aminopropyl-functionalized cubic Ia3d mesoporous silica nanoparticle as an efficient support for immobilization of superoxide dismutase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1195-1202.	2.3	53

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55	Plasmonic and chiropasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020, 212, 120782.	5.5	52
56	Large Proteins Have a Great Tendency to Aggregate but a Low Propensity to Form Amyloid Fibrils. <i>PLoS ONE</i> , 2011, 6, e16075.	2.5	51
57	Spectroscopic Studies of the Effects of Glycation of Human Serum Albumin on L-Trp Binding. <i>Protein and Peptide Letters</i> , 2007, 14, 13-18.	0.9	50
58	Design, Synthesis, and Biological Evaluation of a New Palladium(II) Complex: β -Lactoglobulin and K562 as Targets. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3639-3647.	2.6	50
59	Detergency effects of nanofibrillar amyloid formation on glycation of human serum albumin. <i>Carbohydrate Research</i> , 2008, 343, 2229-2234.	2.3	49
60	Spectroscopic and docking studies on the interaction between caseins and β -carotene. <i>Food Chemistry</i> , 2018, 255, 187-196.	8.2	49
61	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.	7.5	48
62	Zeolite Nanoparticles Inhibit α -Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30768-30779.	8.0	47
63	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.	9.9	47
64	β -Lactoglobulin nanoparticle as a chemotherapy agent carrier for oral drug delivery system. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 613-619.	2.2	46
65	Comparative Studies on the Interaction of Spermidine with Bovine Trypsin by Multispectroscopic and Docking Methods. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9632-9641.	2.6	46
66	Insights into the molecular interaction between sucrose and α -chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 950-960.	7.5	46
67	The Effects of Silver Nanoparticles and Doxorubicin Combination on DNA Structure and Its Antiproliferative Effect Against T47D and MCF7 Cell Lines. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 968-982.	1.1	45
68	Exploring the thermal stability and activity of α -chymotrypsin in the presence of spermine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 435-448.	3.5	45
69	The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 67-74.	7.5	44
70	Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel. <i>Journal of Biochemistry</i> , 2014, 155, 361-373.	1.7	42
71	Biological Evaluation of a New Synthesized Pt(II) Complex by Cytotoxic and Spectroscopic Studies. <i>Cell Biochemistry and Biophysics</i> , 2015, 71, 1415-1424.	1.8	42
72	Effects of calcium binding on the structure and stability of human growth hormone. <i>International Journal of Biological Macromolecules</i> , 2005, 36, 305-309.	7.5	41

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73	Electrochemical behavior of caffeic acid at single-walled carbon nanotube:graphite-based electrode. Biophysical Chemistry, 2007, 128, 30-37.	2.8	41
74	The functional and structural stabilization of trypsin by sucrose. International Journal of Biological Macromolecules, 2017, 99, 343-349.	7.5	41
75	Inhibition of Malassezia globosa carbonic anhydrase with phenols. Bioorganic and Medicinal Chemistry, 2017, 25, 2577-2582.	3.0	41
76	Myoglobin immobilization on electrodeposited nanometer-scale nickel oxide particles and direct voltammetry. Biophysical Chemistry, 2008, 134, 25-33.	2.8	40
77	Protective effects of aspirin on the function of bovine liver catalase: A spectroscopy and molecular docking study. Journal of Molecular Liquids, 2016, 218, 8-15.	4.9	40
78	Inhibition of HEWL fibril formation by taxifolin: Mechanism of action. PLoS ONE, 2017, 12, e0187841.	2.5	40
79	Gold-capped mesoporous silica nanoparticles as an excellent enzyme-responsive nanocarrier for controlled doxorubicin delivery. Journal of Drug Targeting, 2019, 27, 1084-1093.	4.4	40
80	A spectroscopic study on the interaction between ferric oxide nanoparticles and human hemoglobin. Journal of the Iranian Chemical Society, 2010, 7, S145-S153.	2.2	39
81	Beta-casein and its complexes with chitosan as nanovehicles for delivery of a platinum anticancer drug. Colloids and Surfaces B: Biointerfaces, 2013, 112, 362-367.	5.0	39
82	Effect of two imidazolium derivatives of ionic liquids on the structure and activity of adenosine deaminase. International Journal of Biological Macromolecules, 2013, 55, 47-61.	7.5	39
83	Synthesis, characterization, spectroscopy, cytotoxic activity and molecular dynamic study on the interaction of three palladium complexes of phenanthroline and glycine derivatives with calf thymus DNA. Inorganica Chimica Acta, 2015, 430, 144-160.	2.4	39
84	Spectroscopic and molecular docking studies on the interaction between spermidine and pancreatic elastase. International Journal of Biological Macromolecules, 2019, 131, 473-483.	7.5	39
85	Selectivity of major isoquinoline alkaloids from Chelidonium majus towards telomeric G-quadruplex: A study using a transition-FRET (t-FRET) assay. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2020-2030.	2.4	38
86	Vitamin B12 Inhibits Tau Fibrillization via Binding to Cysteine Residues of Tau. ACS Chemical Neuroscience, 2017, 8, 2676-2682.	3.5	38
87	Molecular insights into inclusion complex formation between β - and γ -cyclodextrins and rosmarinic acid. Journal of Molecular Liquids, 2020, 314, 113802.	4.9	38
88	Comparative study on heat stability of camel and bovine apo and holo α -lactalbumin. Journal of Dairy Research, 2010, 77, 43-49.	1.4	37
89	Rich spectroscopic and molecular dynamic studies on the interaction of cytotoxic Pt(II) and Pd(II) complexes of glycine derivatives with calf thymus DNA. Journal of Biomolecular Structure and Dynamics, 2016, 34, 206-222.	3.5	37
90	The formation of non-heat-treated whey protein cold-set hydrogels via non-toxic chemical cross-linking. Food Hydrocolloids, 2017, 63, 43-49.	10.7	37

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91	Investigation on the interaction of acid phosphatase with putrescine using docking, simulations methods and multispectroscopic techniques. International Journal of Biological Macromolecules, 2020, 150, 90-101.	7.5	37
92	Resolution Method of Two Sets of Binding Sites for the Cationic Surfactant's Urease Interaction. Bulletin of the Chemical Society of Japan, 1996, 69, 3031-3035.	3.2	36
93	Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. Physical Chemistry Chemical Physics, 2017, 19, 10099-10115.	2.8	36
94	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. Colloids and Surfaces B: Biointerfaces, 2018, 161, 578-587.	5.0	36
95	The new insight into oral drug delivery system based on metal drugs in colon cancer therapy through β -lactoglobulin/oxali-palladium nanocapsules. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 255-265.	3.8	35
96	Immobilization of Alcohol Dehydrogenase on Titania Nanoparticles To Enhance Enzyme Stability and Remove Substrate Inhibition in the Reaction of Formaldehyde to Methanol. Industrial & Engineering Chemistry Research, 2019, 58, 9844-9854.	3.7	35
97	Chaperone activities of bovine and camel β -caseins: Importance of their surface hydrophobicity in protection against alcohol dehydrogenase aggregation. International Journal of Biological Macromolecules, 2008, 42, 392-399.	7.5	34
98	The encapsulation of flavourzyme in nanoliposome by heating method. Journal of Food Science and Technology, 2015, 52, 2063-2072.	2.8	34
99	Counteraction of lactose on the thermal stability and activity of β -chymotrypsin: thermodynamic, kinetic and docking studies. RSC Advances, 2016, 6, 72201-72212.	3.6	34
100	Probing the biological evaluations of a new designed Pt(II) complex using spectroscopic and theoretical approaches: human hemoglobin as a target. Journal of Biomolecular Structure and Dynamics, 2016, 34, 1123-1131.	3.5	34
101	Molecular investigation on the interaction of spermine with proteinase K by multispectroscopic techniques and molecular simulation studies. International Journal of Biological Macromolecules, 2017, 94, 406-414.	7.5	34
102	Probing the conformational changes and peroxidase-like activity of cytochrome c upon interaction with iron nanoparticles. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2565-2577.	3.5	34
103	Adenosine deaminase inhibition. International Journal of Biological Macromolecules, 2019, 141, 1246-1257.	7.5	34
104	Investigating the interaction of porcine pancreatic elastase and propanol: A spectroscopy and molecular simulation study. International Journal of Biological Macromolecules, 2020, 146, 687-691.	7.5	34
105	Glucosamine-conjugated graphene quantum dots as versatile and pH-sensitive nanocarriers for enhanced delivery of curcumin targeting to breast cancer. Materials Science and Engineering C, 2021, 121, 111809.	7.3	34
106	Substrate share in the suicide inactivation of mushroom tyrosinase. Biochimica Et Biophysica Acta - General Subjects, 2004, 1675, 139-146.	2.4	33
107	Human Calprotectin: Effect of Calcium and Zinc on its Secondary and Tertiary Structures, and Role of pH in its Thermal Stability. Acta Biochimica Et Biophysica Sinica, 2007, 39, 795-802.	2.0	33
108	DNA Binding and Antitumor Activity of β -Diimineplatinum(II) and Palladium(II) Dithiocarbamate Complexes. Bioinorganic Chemistry and Applications, 2011, 2011, 1-11.	4.1	33

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109	Molecular aspects of the interaction of spermidine and β -chymotrypsin. International Journal of Biological Macromolecules, 2016, 92, 523-532.	7.5	33
110	The influence of putrescine on the structure, enzyme activity and stability of β -chymotrypsin. RSC Advances, 2016, 6, 29264-29278.	3.6	33
111	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.	7.5	33
112	Thermal stability enhancement: Fundamental concepts of protein engineering strategies to manipulate the flexible structure. International Journal of Biological Macromolecules, 2022, 214, 642-654.	7.5	33
113	Studies on the interaction between nanodiamond and human hemoglobin by surface tension measurement and spectroscopy methods. Journal of Biomolecular Structure and Dynamics, 2017, 35, 603-615.	3.5	32
114	Natural Polyphenols Selectively Inhibit α -Carbonic Anhydrase from the Dandruff-Producing Fungus <i>Malassezia globosa</i> : Activity and Modeling Studies. ChemMedChem, 2018, 13, 816-823.	3.2	32
115	Comparative Studies on the Interaction Between Bovine β -lacto-globulin Type A and B and a New Designed Pd(II) Complex with Anti-tumor Activity at Different Temperatures. Journal of Biomolecular Structure and Dynamics, 2009, 26, 587-597.	3.5	31
116	Characterization and side effect analysis of a newly designed nanoemulsion targeting human serum albumin for drug delivery. Colloids and Surfaces B: Biointerfaces, 2012, 98, 80-84.	5.0	31
117	Synthesis, cytotoxicity assessment, and interaction and docking of novel palladium(II) complexes of imidazole derivatives with human serum albumin. Journal of Biomolecular Structure and Dynamics, 2016, 34, 1751-1762.	3.5	31
118	Investigation of effects of newly synthesized Pt(II) complex against human serum albumin and leukemia cell line of K562. BMB Reports, 2010, 43, 766-771.	2.4	31
119	Structure and Stability Analysis of Cytotoxic Complex of Camel β -Lactalbumin and Unsaturated Fatty Acids Produced at High Temperature. Journal of Biomolecular Structure and Dynamics, 2011, 28, 919-928.	3.5	30
120	Design and fabrication of pectin-coated nanoliposomal delivery systems for a bioactive polyphenolic: Phloridzin. International Journal of Biological Macromolecules, 2018, 112, 626-637.	7.5	30
121	Spermine as a possible endogenous allosteric activator of carboxypeptidase A: multispectroscopic and molecular simulation studies. Journal of Biomolecular Structure and Dynamics, 2020, 38, 101-113.	3.5	30
122	A Product Inhibition Study on Adenosine Deaminase by Spectroscopy and Calorimetry. BMB Reports, 2002, 35, 302-305.	2.4	30
123	Application of a new method for data analysis of isothermal titration calorimetry in the interaction between human serum albumin and Ni^{2+} . Journal of Chemical Thermodynamics, 2003, 35, 1975-1981.	2.0	29
124	Activity and structural changes of mushroom tyrosinase induced by n-alkyl sulfates. Colloids and Surfaces B: Biointerfaces, 2005, 45, 104-107.	5.0	29
125	The effect of some osmolytes on the activity and stability of mushroom tyrosinase. Journal of Biosciences, 2006, 31, 355-362.	1.1	29
126	Interaction of insulin with a triblock copolymer of PEG-(fumaric-sebacic acids)-PEG: Thermodynamic and spectroscopic studies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1274-1280.	2.3	28

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127	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.	2.3	28
128	Improvement of versatile peroxidase activity and stability by a cholinium-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2018, 272, 597-608.	4.9	28
129	Designing a new alginate-fibrinogen biomaterial composite hydrogel for wound healing. <i>Scientific Reports</i> , 2022, 12, 7213.	3.3	28
130	The effect of functionalization of mesoporous silica nanoparticles on the interaction and stability of confined enzyme. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1048-1054.	7.5	27
131	Anticancer activity assessment of two novel binuclear platinum (II) complexes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 345-354.	3.8	27
132	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.	4.9	27
133	Biodegradation of phenol and dyes with horseradish peroxidase covalently immobilized on functionalized RGO-SiO ₂ nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4403-4414.	7.5	26
134	Electrodeposition of nickel oxide nanoparticles on glassy carbon surfaces: application to the direct electron transfer of tyrosinase. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1233-1239.	2.9	25
135	Circular dichroism and fluorescence spectroscopic study on the interaction of bisdemethoxycurcumin and diacetylbisdemethoxycurcumin with human serum albumin. <i>Canadian Journal of Chemistry</i> , 2010, 88, 155-163.	1.1	25
136	Novel biodegradable heparin-coated nanocomposite system for targeted drug delivery. <i>RSC Advances</i> , 2014, 4, 13719-13728.	3.6	25
137	The effect of spermine on the structure, thermal stability and activity of bovine pancreatic trypsin. <i>RSC Advances</i> , 2016, 6, 60633-60642.	3.6	25
138	Biodegradation of asphaltene and petroleum compounds by a highly potent <i>Daedaleopsis</i> sp.. <i>Journal of Basic Microbiology</i> , 2018, 58, 609-622.	3.3	25
139	Kinetic, thermodynamic and statistical studies on the inhibition of adenosine deaminase by aspirin and diclofenac. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 395-406.	5.2	24
140	Biocompatible APTES-PEG Modified Magnetite Nanoparticles: Effective Carriers of Antineoplastic Agents to Ovarian Cancer. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 36-54.	2.9	24
141	Generation of reactive oxygen species via inhibition of liver catalase by oxali-palladium: A spectroscopic and docking study. <i>Process Biochemistry</i> , 2017, 52, 165-173.	3.7	24
142	Binding studies of crocin to β -Lactoglobulin and its impacts on both components. <i>Food Hydrocolloids</i> , 2020, 108, 106003.	10.7	24
143	Biological Evaluation and Interaction of a Newly Designed Anti-cancer Pd(II) Complex and Human Serum Albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011, 29, 283-296.	3.5	23
144	A short review on the structure-function relationship of artificial catecholase/tyrosinase and nuclease activities of Cu-complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 30, 752-772.	3.5	23

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145	Honey bee venom decreases the complications of diabetes by preventing hemoglobin glycation. Journal of Molecular Liquids, 2014, 199, 371-375.	4.9	23
146	Biomolecular Corona Dictates A β 2 Fibrillation Process. ACS Chemical Neuroscience, 2018, 9, 1725-1734.	3.5	23
147	Interaction of bovine serum albumin with some novel PEG-containing diblock copolymers. International Journal of Biological Macromolecules, 2008, 43, 262-270.	7.5	22
148	Highly efficient immobilization of beta-lactoglobulin in functionalized mesoporous nanoparticles: A simple and useful approach for enhancement of protein stability. Biophysical Chemistry, 2012, 165-166, 13-20.	2.8	22
149	A spectroscopic study on the absorption of carbonic anhydrase onto the nanoporous silica nanoparticle. International Journal of Biological Macromolecules, 2017, 99, 739-745.	7.5	22
150	<p><Amorphous aggregation of tau in the presence of titanium dioxide nanoparticles: biophysical, computational, and cellular studies</p>. International Journal of Nanomedicine, 2019, Volume 14, 901-911.	6.7	22
151	Current and Future Perspectives on the COVID-19 Vaccine: A Scientometric Review. Journal of Clinical Medicine, 2022, 11, 750.	2.4	22
152	Synthesis, characterization, cytotoxicity and DNA binding studies of a nNovel anionic organopalladium(II) complex. Acta Chimica Slovenica, 2014, 61, 126-36.	0.6	22
153	Design, Synthesis, and Biological Evaluation of a Series of β -Lactam-Based Prodrugs. Bioorganic and Medicinal Chemistry, 2002, 10, 3489-3498.	3.0	21
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