

# Ali Akbar Saboury

## List of Publications by Citations

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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 | A comprehensive review on tyrosinase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2019</b> , 34, 279-309   | 5.6  | 331       |
| 328 | Stability and structural features of DNA intercalation with ethidium bromide, acridine orange and methylene blue. <i>Journal of Molecular Structure</i> , <b>2007</b> , 827, 35-43   | 3.4  | 317       |
| 327 | Mesoporous silica nanoparticles for therapeutic/diagnostic applications. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 1100-1111   | 7.5  | 181       |
| 326 | 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> , <b>2021</b> , 39, 3025-3033   | 3.6  | 181       |
| 325 | Nanotoxicity and Spectroscopy Studies of Silver Nanoparticle: Calf Thymus DNA and K562 as Targets. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5798-5803   | 3.8  | 151       |
| 324 | Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. <i>Journal of Controlled Release</i> , <b>2019</b> , 311-312, 170-189  | 11.7 | 102       |
| 323 | Alpha-lactalbumin: A new carrier for vitamin D3 food enrichment. <i>Food Hydrocolloids</i> , <b>2015</b> , 45, 124-131   | 10.6 | 102       |
| 322 | Formation of the molten globule-like state during prolonged glycation of human serum albumin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2007</b> , 1770, 933-42   | 4    | 96        |
| 321 | Spectroscopic and theoretical investigation of oxali-palladium interactions with Hactoglobulin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 1038-46  | 4.4  | 95        |
| 320 | 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> , <b>2009</b> , 113, 14035-42  | 3.4  | 93        |
| 319 | The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 205   | 8.5  | 92        |
| 318 | Role of Copper in the Onset of Alzheimer's Disease Compared to Other Metals. <i>Frontiers in Aging Neuroscience</i> , <b>2017</b> , 9, 446   | 5.3  | 92        |
| 317 | Cancer diagnosis using nanomaterials based electrochemical nanobiosensors. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 773-784   | 11.8 | 90        |
| 316 | 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> , <b>2018</b> , 106, 1314-1322 | 7.9  | 88        |
| 315 | Interaction of single and multi wall carbon nanotubes with the biological systems: tau protein and PC12 cells as targets. <i>Scientific Reports</i> , <b>2016</b> , 6, 26508   | 4.9  | 87        |
| 314 | Biological activity of camel milk casein following enzymatic digestion. <i>Journal of Dairy Research</i> , <b>2011</b> , 78, 471-8   | 1.6  | 83        |
| 313 | A review on the ligand binding studies by isothermal titration calorimetry. <i>Journal of the Iranian Chemical Society</i> , <b>2006</b> , 3, 1-21   | 2    | 83        |

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|-----|---|------|----|
| 312 | Spectroscopic and cytotoxic studies of the novel designed palladium(II) complexes: beta-lactoglobulin and K562 as the targets. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 381-6                              | 7.9  | 79 |
| 311 | Lactoglobulin-sodium alginate interaction as affected by polysaccharide depolymerization using high intensity ultrasound. <i>Food Hydrocolloids</i> , <b>2013</b> , 32, 235-244   | 10.6 | 73 |
| 310 | 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> , <b>2018</b> , 184, 740-753 | 10.3 | 72 |
| 309 | Synthesis of magnetic gold mesoporous silica nanoparticles core shell for cellulase enzyme immobilization: Improvement of enzymatic activity and thermal stability. <i>Process Biochemistry</i> , <b>2018</b> , 71, 92-100                      | 4.8  | 72 |
| 308 | Kinetic characterization of hydrolysis of camel and bovine milk proteins by pancreatic enzymes. <i>International Dairy Journal</i> , <b>2008</b> , 18, 1097-1102  | 3.5  | 70 |
| 307 | Molecular interaction of human serum albumin with paracetamol: spectroscopic and molecular modeling studies. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 129-34   | 7.9  | 69 |
| 306 | Interaction study of pioglitazone with albumin by fluorescence spectroscopy and molecular docking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 78, 96-101                                      | 4.4  | 65 |
| 305 | Nanozymes with intrinsic peroxidase-like activities. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 278, 130-144   | 6    | 64 |
| 304 | Isothermal titration calorimetric and spectroscopic studies of Lactoglobulin-water-soluble fraction of Persian gum interaction in aqueous solution. <i>Food Hydrocolloids</i> , <b>2016</b> , 55, 108-118                                       | 10.6 | 63 |
| 303 | Enzymatic digestion and antioxidant activity of the native and molten globule states of camel Lactalbumin: Possible significance for use in infant formula. <i>International Dairy Journal</i> , <b>2009</b> , 19, 518-523                      | 3.5  | 63 |
| 302 | Complex coacervation of Lactoglobulin - Carrageenan aqueous mixtures as affected by polysaccharide sonication. <i>Food Chemistry</i> , <b>2013</b> , 141, 215-22  | 8.5  | 62 |
| 301 | Enzyme inhibition and activation: A general theory. <i>Journal of the Iranian Chemical Society</i> , <b>2009</b> , 6, 219-229   |      | 62 |
| 300 | Green synthesis of zinc oxide nanoparticles and their effect on the stability and activity of proteinase K. <i>RSC Advances</i> , <b>2016</b> , 6, 42313-42323  | 3.7  | 61 |
| 299 | 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> , <b>2013</b> , 82, 296-306                    | 2.9  | 59 |
| 298 | Interaction of curcumin and diacetylcurcumin with the lipocalin member beta-lactoglobulin. <i>Protein Journal</i> , <b>2009</b> , 28, 117-23  | 3.9  | 57 |
| 297 | Thermodynamic and conformational changes of protein toward interaction with nanoparticles: a spectroscopic overview. <i>RSC Advances</i> , <b>2016</b> , 6, 105903-105919   | 3.7  | 56 |
| 296 | Investigating the Interaction of Fe Nanoparticles with Lysozyme by Biophysical and Molecular Docking Studies. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164878  | 3.7  | 56 |
| 295 | Lactoglobulin-pectin Nanoparticle-based Oral Drug Delivery System for Potential Treatment of Colon Cancer. <i>Chemical Biology and Drug Design</i> , <b>2016</b> , 88, 209-16   | 2.9  | 56 |

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| 294 | Inhibitory effects of deferasirox on the structure and function of bovine liver catalase: a spectroscopic and theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 2255-66  | 3.6  | 55 |
| 293 | Whey protein aerogel as blended with cellulose crystalline particles or loaded with fish oil. <i>Food Chemistry</i> , <b>2016</b> , 196, 1016-22  | 8.5  | 54 |
| 292 | β-Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 1685-1692   | 6    | 52 |
| 291 | Biophysical study on the interaction between two palladium(II) complexes and human serum albumin by Multispectroscopic methods. <i>Journal of Luminescence</i> , <b>2015</b> , 167, 391-398   | 3.8  | 52 |
| 290 | Interaction between silver nanoparticle and bovine hemoglobin at different temperatures. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 1751-1758  | 2.3  | 52 |
| 289 | Spectroscopic studies of interaction between CuO nanoparticles and bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1962-8   | 3.6  | 50 |
| 288 | A spectroscopic and thermal stability study on the interaction between putrescine and bovine trypsin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 145-153   | 7.9  | 50 |
| 287 | Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 665-676  | 7.9  | 50 |
| 286 | Probing of the interaction between β-lactoglobulin and the anticancer drug oxaliplatin. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 175, 974-87   | 3.2  | 49 |
| 285 | 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> , <b>2010</b> , 77, 312-8 | 4.4  | 49 |
| 284 | 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> , <b>2011</b> , 1814, 1195-202  | 4    | 48 |
| 283 | A health concern regarding the protein corona, aggregation and disaggregation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 971-991  | 4    | 48 |
| 282 | Purification and autolysis of the ficin isoforms from fig ( <i>Ficus carica</i> cv. Sabz) latex. <i>Phytochemistry</i> , <b>2013</b> , 87, 16-22  | 4    | 45 |
| 281 | Design, synthesis, and biological evaluation of a new palladium(II) complex: beta-lactoglobulin and K562 as targets. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 3639-47  | 3.4  | 45 |
| 280 | Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2020</b> , 1864, 129435   | 4    | 45 |
| 279 | Magnetic cellulose ionomer/layered double hydroxide: An efficient anion exchange platform with enhanced diclofenac adsorption property. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 438-446   | 10.3 | 43 |
| 278 | Detergency effects of nanofibrillar amyloid formation on glycation of human serum albumin. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 2229-34  | 2.9  | 43 |
| 277 | Palladium complexes: new candidates for anti-cancer drugs. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 967-989   | 2    | 42 |

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|-----|---|------|----|
| 276 | Spectroscopic studies of the effects of glycation of human serum albumin on L-Trp binding. <i>Protein and Peptide Letters</i> , <b>2007</b> , 14, 13-8  | 1.9  | 42 |
| 275 | Lipase immobilized on functionalized superparamagnetic few-layer graphene oxide as an efficient nanobiocatalyst for biodiesel production from bio-oil. <i>Biotechnology for Biofuels</i> , <b>2020</b> , 13, 57   | 7.8  | 41 |
| 274 | Large proteins have a great tendency to aggregate but a low propensity to form amyloid fibrils. <i>PLoS ONE</i> , <b>2011</b> , 6, e16075   | 3.7  | 41 |
| 273 | Binding of $\beta$ -carotene to whey proteins: Multi-spectroscopic techniques and docking studies. <i>Food Chemistry</i> , <b>2019</b> , 277, 96-106  | 8.5  | 41 |
| 272 | A new insight into mushroom tyrosinase inhibitors: docking, pharmacophore-based virtual screening, and molecular modeling studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 487-501  | 3.6  | 40 |
| 271 | 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> , <b>2012</b> , 8, 968-82   | 4    | 40 |
| 270 | Involvement of planned cell death of necroptosis in cancer treatment by nanomaterials: Recent advances and future perspectives. <i>Journal of Controlled Release</i> , <b>2019</b> , 299, 121-137   | 11.7 | 39 |
| 269 | Biological Evaluation of a New Synthesized Pt(II) Complex by Cytotoxic and Spectroscopic Studies. <i>Cell Biochemistry and Biophysics</i> , <b>2015</b> , 71, 1415-24   | 3.2  | 39 |
| 268 | $\beta$ -Lactoglobulin nanoparticle as a chemotherapy agent carrier for oral drug delivery system. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 613-619   | 2    | 38 |
| 267 | Zeolite Nanoparticles Inhibit $\alpha$ -Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30768-30779   | 9.5  | 38 |
| 266 | Exploring the thermal stability and activity of $\beta$ -thymotrypsin in the presence of spermine. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 435-448  | 3.6  | 37 |
| 265 | 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. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 430, 144-160 | 2.7  | 35 |
| 264 | Effect of two imidazolium derivatives of ionic liquids on the structure and activity of adenosine deaminase. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 55, 47-61  | 7.9  | 35 |
| 263 | Inhibition of <i>Malassezia globosa</i> carbonic anhydrase with phenols. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 2577-2582  | 3.4  | 34 |
| 262 | Spectroscopic and docking studies on the interaction between caseins and $\beta$ -carotene. <i>Food Chemistry</i> , <b>2018</b> , 255, 187-196  | 8.5  | 34 |
| 261 | Beta-casein and its complexes with chitosan as nanovehicles for delivery of a platinum anticancer drug. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 362-7  | 6    | 34 |
| 260 | A spectroscopic study on the interaction between ferric oxide nanoparticles and human hemoglobin. <i>Journal of the Iranian Chemical Society</i> , <b>2010</b> , 7, S145-S153   | 2    | 34 |
| 259 | Electrochemical behavior of caffeic acid at single-walled carbon nanotube:graphite-based electrode. <i>Biophysical Chemistry</i> , <b>2007</b> , 128, 30-7  | 3.5  | 34 |

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| 258 | Myoglobin immobilization on electrodeposited nanometer-scale nickel oxide particles and direct voltammetry. <i>Biophysical Chemistry</i> , <b>2008</b> , 134, 25-33  | 3.5 | 34 |
| 257 | Resolution Method of Two Sets of Binding Sites for the Cationic Surfactant-Urease Interaction. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 3031-3035  | 5.1 | 34 |
| 256 | Inhibition of HEWL fibril formation by taxifolin: Mechanism of action. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187841  | 3.7 | 33 |
| 255 | Comparative Studies on the Interaction of Spermidine with Bovine Trypsin by Multispectroscopic and Docking Methods. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 9632-41  | 3.4 | 33 |
| 254 | Effects of calcium binding on the structure and stability of human growth hormone. <i>International Journal of Biological Macromolecules</i> , <b>2005</b> , 36, 305-9   | 7.9 | 33 |
| 253 | Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel. <i>Journal of Biochemistry</i> , <b>2014</b> , 155, 361-73  | 3.1 | 32 |
| 252 | The functional and structural stabilization of trypsin by sucrose. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 343-349   | 7.9 | 31 |
| 251 | Insights into the molecular interaction between sucrose and $\beta$ -thymotrypsin. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 950-960  | 7.9 | 31 |
| 250 | Probing the conformational changes and peroxidase-like activity of cytochrome c upon interaction with iron nanoparticles. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 2565-2577                                  | 3.6 | 31 |
| 249 | DNA Binding and Antitumor Activity of $\beta$ -diimineplatinum(II) and Palladium(II) Dithiocarbamate Complexes. <i>Bioinorganic Chemistry and Applications</i> , <b>2011</b> , 2011, 394506  | 4.2 | 31 |
| 248 | Chaperone activities of bovine and camel beta-caseins: Importance of their surface hydrophobicity in protection against alcohol dehydrogenase aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 42, 392-9 | 7.9 | 31 |
| 247 | Studies on the interaction between nanodiamond and human hemoglobin by surface tension measurement and spectroscopy methods. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 603-615                                 | 3.6 | 30 |
| 246 | Probing the biological evaluations of a new designed Pt(II) complex using spectroscopic and theoretical approaches: human hemoglobin as a target. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1123-31            | 3.6 | 30 |
| 245 | Substrate share in the suicide inactivation of mushroom tyrosinase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2004</b> , 1675, 139-46   | 4   | 30 |
| 244 | Catalytic activity, structure and stability of proteinase K in the presence of biosynthesized CuO nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 732-744  | 7.9 | 30 |
| 243 | The status of glycation in protein aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 100, 67-74   | 7.9 | 29 |
| 242 | The influence of putrescine on the structure, enzyme activity and stability of $\beta$ -thymotrypsin. <i>RSC Advances</i> , <b>2016</b> , 6, 29264-29278   | 3.7 | 29 |
| 241 | Protective effects of aspirin on the function of bovine liver catalase: A spectroscopy and molecular docking study. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 8-15  | 6   | 29 |

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|-----|---|------|----|
| 240 | Comparative study on heat stability of camel and bovine apo and holo alpha-lactalbumin. <i>Journal of Dairy Research</i> , <b>2010</b> , 77, 43-9   | 1.6  | 29 |
| 239 | Human calprotectin: effect of calcium and zinc on its secondary and tertiary structures, and role of pH in its thermal stability. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2007</b> , 39, 795-802   | 2.8  | 29 |
| 238 | Synthesis, cytotoxicity assessment, and interaction and docking of novel palladium(II) complexes of imidazole derivatives with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1751-62                                     | 3.6  | 28 |
| 237 | Spectroscopic and molecular docking studies on the interaction between spermidine and pancreatic elastase. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 473-483   | 7.9  | 28 |
| 236 | The new insight into oral drug delivery system based on metal drugs in colon cancer therapy through $\beta$ -lactoglobulin/oxali-palladium nanocapsules. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2014</b> , 140, 255-65                         | 6.7  | 28 |
| 235 | Molecular investigation on the interaction of spermine with proteinase K by multispectroscopic techniques and molecular simulation studies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 406-414   | 7.9  | 28 |
| 234 | Investigation of effects of newly synthesized Pt(II) complex against human serum albumin and leukemia cell line of K562. <i>BMB Reports</i> , <b>2010</b> , 43, 766-71  | 5.5  | 28 |
| 233 | Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 161, 578-587  | 6    | 28 |
| 232 | Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 10099-10115  | 3.6  | 27 |
| 231 | Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , <b>2020</b> , 212, 120782   | 6.2  | 27 |
| 230 | Molecular aspects of the interaction of spermidine and $\beta$ -thymotrypsin. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 523-532   | 7.9  | 27 |
| 229 | Rich spectroscopic and molecular dynamic studies on the interaction of cytotoxic Pt(II) and Pd(II) complexes of glycine derivatives with calf thymus DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 206-22                                | 3.6  | 27 |
| 228 | Vitamin B12 Inhibits Tau Fibrillization via Binding to Cysteine Residues of Tau. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 2676-2682  | 5.7  | 27 |
| 227 | The effect of functionalization of mesoporous silica nanoparticles on the interaction and stability of confined enzyme. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 1048-54   | 7.9  | 27 |
| 226 | Comparative Studies on the Interaction Between Bovine $\beta$ -lacto-globulin Type A and B and a New Designed Pd(II) Complex with Anti-tumor Activity at Different Temperatures. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2009</b> , 26, 587-597        | 3.6  | 27 |
| 225 | 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> , <b>2018</b> , 12, 45-57 | 2.9  | 26 |
| 224 | The formation of non-heat-treated whey protein cold-set hydrogels via non-toxic chemical cross-linking. <i>Food Hydrocolloids</i> , <b>2017</b> , 63, 43-49   | 10.6 | 26 |
| 223 | Application of a new method for data analysis of isothermal titration calorimetry in the interaction between human serum albumin and Ni <sup>2+</sup> . <i>Journal of Chemical Thermodynamics</i> , <b>2003</b> , 35, 1975-1981   | 2.9  | 26 |

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|-----|---|-----|----|
| 222 | 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> , <b>2017</b> , 1861, 2020-2030 | 4   | 25 |
| 221 | Gold-capped mesoporous silica nanoparticles as an excellent enzyme-responsive nanocarrier for controlled doxorubicin delivery. <i>Journal of Drug Targeting</i> , <b>2019</b> , 27, 1084-1093   | 5.4 | 25 |
| 220 | Investigation on the interaction of acid phosphatase with putrescine using docking, simulations methods and multispectroscopic techniques. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 90-101                  | 7.9 | 25 |
| 219 | Counteraction of lactose on the thermal stability and activity of $\beta$ -chymotrypsin: thermodynamic, kinetic and docking studies. <i>RSC Advances</i> , <b>2016</b> , 6, 72201-72212   | 3.7 | 25 |
| 218 | The effect of some osmolytes on the activity and stability of mushroom tyrosinase. <i>Journal of Biosciences</i> , <b>2006</b> , 31, 355-62   | 2.3 | 25 |
| 217 | Activity and structural changes of mushroom tyrosinase induced by n-alkyl sulfates. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 45, 104-7   | 6   | 25 |
| 216 | The encapsulation of flavourzyme in nanoliposome by heating method. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 2063-72   | 3.3 | 24 |
| 215 | Natural Polyphenols Selectively Inhibit $\beta$ -Carbonic Anhydrase from the Dandruff-Producing Fungus <i>Malassezia globosa</i> : Activity and Modeling Studies. <i>ChemMedChem</i> , <b>2018</b> , 13, 816-823                                  | 3.7 | 24 |
| 214 | Circular dichroism and fluorescence spectroscopic study on the interaction of bisdemethoxycurcumin and diacetylbisdemethoxycurcumin with human serum albumin. <i>Canadian Journal of Chemistry</i> , <b>2010</b> , 88, 155-163                    | 0.9 | 24 |
| 213 | Interaction of insulin with a triblock copolymer of PEG-(fumaric-sebacic acids)-PEG: thermodynamic and spectroscopic studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2007</b> , 1774, 1274-80                        | 4   | 24 |
| 212 | 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> , <b>2018</b> , 119, 477-485                         | 7.9 | 23 |
| 211 | Characterization and side effect analysis of a newly designed nanoemulsion targeting human serum albumin for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 98, 80-4  | 6   | 23 |
| 210 | Structure and stability analysis of cytotoxic complex of camel $\beta$ -lactalbumin and unsaturated fatty acids produced at high temperature. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2011</b> , 28, 919-28                    | 3.6 | 23 |
| 209 | Design and fabrication of pectin-coated nanoliposomal delivery systems for a bioactive polyphenolic: Phloridzin. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 626-637   | 7.9 | 22 |
| 208 | Anticancer activity assessment of two novel binuclear platinum (II) complexes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 161, 345-54   | 6.7 | 22 |
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