

Mohd Sajid Ali

List of Publications by Year in descending order

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74
papers

1,518
citations

257450

24
h-index

361022

35
g-index

74
all docs

74
docs citations

74
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of amphiphilic drugs with human and bovine serum albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 119-124.	3.9	70
2	Interactions between cationic gemini/conventional surfactants with polyvinylpyrrolidone: Specific conductivity and dynamic light scattering studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 350, 51-56.	4.7	63
3	Spectroscopic studies on the interaction between novel polyvinylthiol-functionalized silver nanoparticles with lysozyme. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 147-152.	3.9	59
4	Interaction of human serum albumin with sulfadiazine. <i>Journal of Molecular Liquids</i> , 2014, 197, 124-130.	4.9	56
5	Interaction of human serum albumin with silver nanoparticles functionalized with polyvinylthiol. <i>Journal of Molecular Liquids</i> , 2015, 204, 248-254.	4.9	55
6	Deciphering the interaction of procaine with bovine serum albumin and elucidation of binding site: A multi spectroscopic and molecular docking study. <i>Journal of Molecular Liquids</i> , 2017, 236, 232-240.	4.9	53
7	Comprehensive exploration of the anticancer activities of procaine and its binding with calf thymus DNA: a multi spectroscopic and molecular modelling study. <i>RSC Advances</i> , 2018, 8, 9083-9093.	3.6	53
8	Spectroscopic and computational evaluation on the binding of safranal with human serum albumin: Role of inner filter effect in fluorescence spectral correction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 434-442.	3.9	51
9	Spectroscopic and Molecular Docking Investigation on the Noncovalent Interaction of Lysozyme with Saffron Constituent α -Safranal. <i>ACS Omega</i> , 2020, 5, 9131-9141.	3.5	43
10	Molecular interactions of ceftazidime with bovine serum albumin: Spectroscopic, molecular docking, and DFT analyses. <i>Journal of Molecular Liquids</i> , 2020, 313, 113490.	4.9	40
11	Green synthesis of biogenic silver nanoparticles using <i>Solanum tuberosum</i> extract and their interaction with human serum albumin: Evidence of α -corona formation through a multi-spectroscopic and molecular docking analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 108-119.	3.8	39
12	Spectroscopic approach of the interaction study of amphiphilic drugs with the serum albumins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 447-453.	5.0	38
13	Molecular interactions of cefoperazone with bovine serum albumin: Extensive experimental and computational investigations. <i>Journal of Molecular Liquids</i> , 2021, 337, 116354.	4.9	37
14	Exploring the mode of binding between food additive α -butylated hydroxytoluene (BHT) and human serum albumin: Spectroscopic as well as molecular docking study. <i>Journal of Molecular Liquids</i> , 2017, 230, 557-564.	4.9	34
15	Sulfadiazine binds and unfolds bovine serum albumin: an in vitro study. <i>Molecular Biology Reports</i> , 2013, 40, 6081-6090.	2.3	33
16	Multi-technique approach on the interaction between sugar-based surfactant n-dodecyl β -D-maltoside and bovine serum albumin. <i>Journal of Luminescence</i> , 2016, 169, 35-42.	3.1	33
17	Experimental and computational investigation on the molecular interactions of safranal with bovine serum albumin: Binding and anti-amyloidogenic efficacy of ligand. <i>Journal of Molecular Liquids</i> , 2019, 278, 385-393.	4.9	32
18	Dynamic interaction between lysozyme and ceftazidime: Experimental and molecular simulation approaches. <i>Journal of Molecular Liquids</i> , 2021, 328, 115412.	4.9	32

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19	Unfolding of rabbit serum albumin by cationic surfactants: Surface tensiometry, small-angle neutron scattering, intrinsic fluorescence, resonance Rayleigh scattering and circular dichroism studies. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 436-443.	9.4	30
20	Cetyltrimethylammonium bromide (CTAB) promote amyloid fibril formation in carbohydrate binding protein (concanavalin A) at physiological pH. <i>RSC Advances</i> , 2016, 6, 38100-38111.	3.6	28
21	Synthetic food additive dye "Tartrazine" triggers amorphous aggregation in cationic myoglobin. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 277-286.	7.5	28
22	Interaction of biocompatible natural rosin-based surfactants with human serum albumin: A biophysical study. <i>Journal of Luminescence</i> , 2015, 167, 399-407.	3.1	27
23	Phase Behavior of Nonionic Polymer Hydroxypropylmethyl Cellulose: Effect of Gemini and Single-Chain Surfactants on the Energetics at the Cloud Point. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4990-4994.	1.9	26
24	Human serum albumin binding to the biologically active labdane diterpene "leoheterin". Spectroscopic and in silico analysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 182, 9-17.	3.8	25
25	Complexation behavior of gelatin with amphiphilic drug imipramine hydrochloride as studied by conductimetry, surface tensiometry and circular dichroism studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 258-262.	5.0	24
26	Rosin Surfactant QRMAE Can Be Utilized as an Amorphous Aggregate Inducer: A Case Study of Mammalian Serum Albumin. <i>PLoS ONE</i> , 2015, 10, e0139027.	2.5	24
27	Amphiphilic drug persuaded collapse of polyvinylpyrrolidone and poly(ethylene glycol) chains: A dynamic light scattering study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 590-594.	5.0	23
28	Noncovalent molecular interactions between antineoplastic drug gemcitabine and a carrier protein identified through spectroscopic and in silico methods. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 993-1002.	7.5	23
29	Effect of surfactant micelles on the kinetics of oxidation of D-fructose by cerium(IV) in sulfuric acid medium. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 18-25.	1.6	21
30	A comparative study of interaction of ibuprofen with biocompatible polymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 72-77.	5.0	19
31	Effect of alkyl chain length, head group and nature of the surfactant on the hydrolysis of 1,3-benzoxazine-2,4-dione and its derivatives. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 205-211.	9.4	19
32	Interaction of amphiphilic drug amitriptyline hydrochloride with β -cyclodextrin as studied by conductometry, surface tensiometry and viscometry. <i>Journal of Molecular Liquids</i> , 2012, 167, 115-118.	4.9	19
33	Biophysical characterization of the interaction between human serum albumin and n-dodecyl β -D-maltoside: A multi-technique approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 392-400.	5.0	19
34	Temperature dependent rapid annealing effect induces amorphous aggregation of human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 844-855.	7.5	18
35	Micellar effects on the alkaline hydrolysis of isatin and its derivatives. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 393-399.	9.4	16
36	Interaction of biocompatible sugar based surfactant n-dodecyl β -D-maltoside with lysozyme. <i>Journal of Molecular Liquids</i> , 2015, 209, 662-668.	4.9	15

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37	Effect of anionic and cationic micelles on the oxidation of D-glucose by cerium(IV) in presence of H ₂ SO ₄ . <i>Colloid and Polymer Science</i> , 2005, 284, 10-18.	2.1	14
38	Antiproliferative activities of procainamide and its binding with calf thymus DNA through multi-spectroscopic and computational approaches. <i>Journal of Molecular Liquids</i> , 2018, 258, 74-84.	4.9	14
39	Cu II -Na I heteronuclear complex as anticancer entity against human breast cancer cell lines: DNA binding, cleavage, and Computational studies. <i>Inorganica Chimica Acta</i> , 2018, 479, 229-239.	2.4	14
40	Solution Behavior of Nonionic Polymer Hydroxypropylmethyl Cellulose: Effect of Salts on the Energetics at the Cloud Point. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 984-987.	1.9	13
41	Elucidation of the interaction of human serum albumin with anti-cancer sipholane triterpenoid from the Red Sea sponge. <i>Luminescence</i> , 2017, 32, 223-230.	2.9	13
42	Modulation of amyloid fibril formation of plasma protein by saffron constituent <i>safranal</i> : Spectroscopic and imaging analyses. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 529-535.	7.5	12
43	Spectroscopic and Molecular Docking Investigation on the Interaction of Cumin Components with Plasma Protein: Assessment of the Comparative Interactions of Aldehyde and Alcohol with Human Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4078.	4.1	12
44	Micelle-assisted cerium(IV) oxidation of L-sorbose in aqueous sulfuric acid. <i>Colloid and Polymer Science</i> , 2007, 285, 745-752.	2.1	11
45	Multi-technique approach on the effect of surfactant concentrations on the thermal unfolding of rabbit serum albumin: Formation and solubilization of the protein aggregates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 169-175.	5.0	10
46	Synthesis, characterization and kinetics of formation of silver nanoparticles by reduction with adrenaline in the micellar media. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 711-719.	3.4	10
47	Biophysical characterization of the interaction of bovine serum albumin with anticancer sipholane triterpenoid from the Red Sea sponge. <i>Journal of Molecular Liquids</i> , 2016, 220, 931-938.	4.9	10
48	Dodecyl sulfate chain-anchored mercerized lignocellulose agro-waste: An effective and sustainable adsorbent to sequester heavy metal ions from an aqueous phase. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1676-1684.	2.3	10
49	<i>1</i> ² -Carboline Silver Compound Binding Studies with Human Serum Albumin: A Comprehensive Multispectroscopic Analysis and Molecular Modeling Study. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-11.	4.1	10
50	Evaluation of (<i>3</i> ⁶ - <i>p</i> -cymene) ruthenium diclofenac complex as anticancer chemotherapeutic agent: interaction with biomolecules, cytotoxicity assays. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3905-3913.	3.5	10
51	Experimental and computational investigation on the binding of anticancer drug gemcitabine with bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9144-9157.	3.5	10
52	Effect of reactive and non-reactive counterion micelles upon the alkaline degradation of indomethacin. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 77-83.	5.2	9
53	Micelle Catalyzed Oxidation of D-Mannose by Cerium (IV) in Sulfuric Acid. <i>Acta Physico-chimica Sinica</i> , 2008, 24, 810-816.	0.6	8
54	Kinetics of the oxidative degradation of d-xylose in the presence and absence of cationic and anionic surfactants. <i>Colloid and Polymer Science</i> , 2006, 284, 627-633.	2.1	7

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55	Thermodynamic, interfacial and hydrodynamic aspects of interaction of cationic drug amitriptyline hydrochloride with anionic and nonionic polymers. <i>Journal of Molecular Liquids</i> , 2013, 180, 200-206.	4.9	7
56	Spectrophotometric investigation on the kinetics of oxidation of adrenaline by dioxygen of β -4-dioxytetrakis(histidinato)-dicobalt(II) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 21-27.	3.9	7
57	Synthesis of Silver Nanoparticle: A New Analytical Approach for the Quantitative Assessment of Adrenaline. <i>Analytical Sciences</i> , 2015, 31, 437-443.	1.6	7
58	β -Cyclodextrin-promazine hydrochloride interaction: Conductometric and viscometric studies. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 83-87.	5.2	7
59	Fluorescent delivery vehicle containing cobalt oxide-umbelliferone nanoconjugate: DNA/protein interaction studies and anticancer activity on MF7 cancer cell line. <i>RSC Advances</i> , 2019, 9, 26503-26518.	3.6	7
60	Biophysical binding profile with ct-DNA and cytotoxic studies of a modulated nanoconjugate of umbelliferone cobalt oxide loaded on graphene oxide (GO) as drug carrier. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4558-4569.	3.5	7
61	Experimental and in silico investigation on the interaction of indomethacin with bovine serum albumin: Effect of sodium dodecyl sulfate surfactant monomers on the binding. <i>Journal of Molecular Liquids</i> , 2021, 336, 116858.	4.9	7
62	Experimental and Computational Investigation on the Interaction of Anticancer Drug Gemcitabine with Human Plasma Protein: Effect of Copresence of Ibuprofen on the Binding. <i>Molecules</i> , 2022, 27, 1635.	3.8	7
63	Interaction of biocompatible polymers with amphiphilic phenothiazine drug chlorpromazine hydrochloride. <i>Journal of Molecular Liquids</i> , 2013, 177, 283-287.	4.9	6
64	Kinetics of the autoxidation of adrenaline and [copper(II)(adrenaline)] ₂ ⁺ in alkaline aqueous and micellar media. <i>Transition Metal Chemistry</i> , 2013, 38, 173-181.	1.4	5
65	Effect of amphiphilic drugs on the cloud point of hydroxypropylmethyl cellulose: Modulation with salt excipients. <i>Journal of Molecular Liquids</i> , 2014, 194, 1-7.	4.9	5
66	Exploration of the binding between cuminal and bovine serum albumin through spectroscopic, molecular docking and molecular dynamics methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12404-12412.	3.5	5
67	Salt Effect on the Cloud Point Phenomenon of Amphiphilic Drug-Hydroxypropylmethyl Cellulose System. <i>Journal of Chemistry</i> , 2014, 2014, 1-8.	1.9	4
68	Synthesis of homo- and hetero-metallic cobalt and zinc nano oxide particles by a calcination process using coordination compounds: their characterization, DFT calculations and capacitance behavioural study. <i>RSC Advances</i> , 2020, 10, 13126-13138.	3.6	4
69	Synthesis, Characterization, and Application of Magnetite Nanoparticles Coated with Hydrophobic Polyethyleneimine for Oil Spill Cleaning. <i>Journal of Chemistry</i> , 2022, 2022, 1-10.	1.9	4
70	Kinetic Spectrophotometric Methods for the Determination of Isatin. <i>Asian Journal of Chemistry</i> , 2013, 25, 4563-4568.	0.3	3
71	Catalytic induced morphological transformation of porous ZnO to ZnO nanorods by Sn(IV) and their effect on photocatalytic reduction of methylene blue and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117101.	3.9	2
72	Influence of PVP-PEG mixed aggregates and electrolytes on the rate of alkaline hydrolysis of benzocaine in aqueous and surfactant medium. <i>Journal of Molecular Liquids</i> , 2020, 317, 113963.	4.9	1

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73	Interaction of Carrier Protein with Potential Metallic Drug Candidate N-Glycoside $\hat{\epsilon}$ GATPT $\hat{\epsilon}$ ™: Validation by Multi-Spectroscopic and Molecular Docking Approaches. <i>Molecules</i> , 2021, 26, 6641.	3.8	1
74	Permanganate Oxidation of Sulfadiazine: Analytical Method Development and Kinetic Study. <i>Analytical Chemistry Letters</i> , 2013, 3, 7-17.	1.0	0