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Quenching of fluorescence by oxygen. A probe for structural fluctuations in macromolecules

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2318	Quenching of protein fluorescence by oxygen. Detection of structural fluctuations in proteins on the nanosecond time scale. <i>Biochemistry</i> , <b>1973</b> , 12, 4171-9	3.2	692
2317	Intrinsic luminescence studies on the apoenzyme and holoenzyme of lipoamide dehydrogenase. <b>1974</b> , 45, 99-107		24
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2311	PROTEIN LUMINESCENCE. <b>1975</b> , 21, 459-463		4
2310	PHOTOSENSITIZED REACTIONS OF AMINO ACIDS AND PROTEINS. <b>1975</b> , 21, 463-467		32
2309	Pyrene fluorescence lifetime as a probe for oxygen penetration of micelles. <b>1975</b> , 22, 273-6		60
2308	Photochemistry of proteins. <b>1975</b> , 22, 295-8		16
2307	Simultaneous measurements of fluorescence polarization and quenching: A specially designed instrument and an application to the micro-brownian motion of polymer chains. <b>1975</b> , 11, 711-718		16
2306	Energetics of ligand binding to proteins. <b>1975</b> , 29, 1-83		412
2305	Charge--transfer interaction involving sulfhydryl groups of bovine serum albumin. <b>1975</b> , 57, 37-41		2
2304	Variations of lipid-protein interactions in erythrocyte ghosts as a function of temperature and pH in physiological and non-physiological ranges. A study using a paramagnetic quenching of protein fluorescence by nitroxide lipid analogues. <b>1975</b> , 406, 415-23		79
2303	Triplet excited states of polycyclic aromatic compounds as probes of their microenvironment in serum albumin complexes. <b>1975</b> , 64, 1245-52		10

2302	Structural studies of human chorionic gonadotropin and its subunits using tyrosine fluorescence. <b>1976</b> , 173, 680-90		12
2301	Fluorescence lifetimes of haem proteins excited into the tryptophan absorption band with synchrotron radiation. <b>1976</b> , 263, 445-6		27
2300	Flash photolysis of aqueous tryptophan, alanyl tryptophan and tryptophyl alanine. <b>1976</b> , 23, 79-83		48
2299	Evaluation of the fluorescamine test for monitoring completion of coupling on nitrochloromethylated resin. <b>1976</b> , 74, 477-83		2
2298	Crystallographic studies of protein denaturation and renaturation. 1. Effects of denaturants on volume and X-ray pattern of cross-linked triclinic lysozyme crystals. <i>Biochemistry</i> , <b>1977</b> , 16, 1413-7	3.2	45
2297	Volume changes in the formation of internal complexes of flavinyltryptophan peptides. <i>Biochemistry</i> , <b>1977</b> , 16, 4883-6	3.2	31
2296	A Pulsed Laser Study of Excited States of Aromatic Molecules Absorbed in Globular Proteins. <b>1977</b> , 70, 312		13
2295	Crystallographic studies of protein denaturation and renaturation. 2. Sodium dodecyl sulfate induced structural changes in triclinic lysozyme. <i>Biochemistry</i> , <b>1977</b> , 16, 1418-24	3.2	107
2294	Interaction of a fluorescent streptomycin derivative with Escherichia coli ribosomes. <b>1977</b> , 179, 121-30		11
2293	Fluidity and oxygen penetration of lipid vesicles studied by fluorescence probes. <b>1977</b> , 26, 221-4		28
2292	Flexible Pharmakamoleküle und dynamische Rezeptoren. <b>1977</b> , 89, 805-816		11
2291	Using fluorescence properties of protein chromophores in studies of equilibrium structural mobility of macromolecules. <b>1978</b> , 28, 445-448		
2290	Some equilibrium and non-equilibrium properties of the allosteric interactions in enzymes. III. Dynamics of the amino acid residues and ligand binding process. <b>1978</b> , 74, 389-95		1
2289	Relationship of thermal quenching of protein fluorescence to intramolecular structural mobility. <b>1978</b> , 534, 141-52		51
2288	Photochemical modifications of the tryptophan residues of wheat-germ agglutinin in the presence of trichloroethanol. <b>1978</b> , 84, 79-85		12
2287	STATUS OF INDOLE PHOTOCHEMISTRY WITH SPECIAL REFERENCE TO BIOLOGICAL APPLICATIONS. <b>1978</b> , 27, 819-840		85
2286	Solute quenching of protein fluorescence. <b>1978</b> , 49, 222-36		166
2285	Fluorescence quenching as an indicator for structural fluctuations in liver alcohol dehydrogenase. <i>Biochemistry</i> , <b>1978</b> , 17, 4923-6	3.2	21

2284	The effect of pressure upon the solubility of oxygen in water. Implications of the deviation from the ideal gas law upon measurements of fluorescence quenching. <b>1978</b> , 191, 375-84		20
2283	Base pairing structure in the poly d(G-T) double helix: wobble base pairs. <b>1978</b> , 5, 1955-70		57
2282	Fluorescence lifetime quenching studies on the accessibilities of actin sulfhydryl sites. <i>Biochemistry</i> , <b>1979</b> , 18, 2759-65	3.2	73
2281	Motions in proteins. <b>1979</b> , 33, 73-165		222
2280	Fluorescence study of the physico-chemical properties of a benzo(a)pyrene 7,8-dihydrodiol 9,10-oxide derivative bound covalently to DNA. <b>1979</b> , 29, 223-32		58
2279	Packing defects, cavities, volume fluctuations, and access to the interior of proteins. Including some general comments on surface area and protein structure. <b>1979</b> , 44, 47-63		143
2278	Dynamics of molecular oxygen in micellar solutions. <b>1979</b> , 64, 473-478		38
2277	Experimental studies of protein folding and unfolding. <b>1978</b> , 33, 231-97		434
2276	Fluorescence properties of a benzo(a)pyrene 7,8 dihydrodiol 9,10-oxide-DNA adduct. Conformation and effects of intermolecular DNA interactions. <b>1979</b> , 88, 782-90		14
2275	Inclusion complexes of ploy-beta-cyclodextrin: a model for pressure effects upon ligand-protein complexes. <i>Biochemistry</i> , <b>1979</b> , 18, 3079-83	3.2	82
2274	Fluorescence anisotropy measurements under oxygen quenching conditions as a method to quantify the depolarizing rotations of fluorophores. Application to diphenylhexatriene in isotropic solvents and in lipid bilayers. <i>Biochemistry</i> , <b>1979</b> , 18, 520-7	3.2	105
2273	Association of proteins. <b>1979</b> , 46, 241-52		12
2272	Chlorinated hydrocarbon-cell membrane interactions studied by the fluorescence quenching of carbazole-labeled phospholipids: probe synthesis and characterization of the quenching methodology. <b>1980</b> , 26, 1-40		71
2271	Nature, identification, and properties of intermediates produced byuv excitation of indole derivatives at low and room temperatures. Some applications to tryptophan-containing proteins. <b>1980</b> , 3, 231-283		66
2270	Permeability of lipid bilayers to methylmercuric chloride: quantification by fluorescence quenching of a carbazole-labeled phospholipid. <b>1980</b> , 30, 309-23		52
2269	Time-resolved fluorescence on flavins and flavoproteins. <b>1980</b> , 66, 373-85		14
2268	Nanosecond segmental mobilities of tryptophan residues in proteins observed by lifetime-resolved fluorescence anisotropies. <b>1980</b> , 32, 591-601		111
2267	Fluorescence spectroscopic investigations of the dynamic properties of proteins, membranes and nucleic acids. <b>1980</b> , 2, 91-119		106

2266	Hindered depolarizing rotations of perylene in lipid bilayers. Detection by lifetime-resolved fluorescence anisotropy measurements. <i>Biochemistry</i> , <b>1980</b> , 19, 905-11	3.2	64
2265	Dynamic properties of the lipid-water interface of model membranes as revealed by lifetime-resolved fluorescence emission spectra. <i>Biochemistry</i> , <b>1981</b> , 20, 1366-73	3.2	46
2264	Oxygen diffusion through hemoglobin and HbdesFe: quenching of the tryptophan and porphyrin emissions. <b>1981</b> , 126, 191-4		12
2263	Correction of timing errors in photomultiplier tubes used in phase-modulation fluorometry. <b>1981</b> , 5, 131-46		197
2262	Characterization of fluorescent 2-dimethylaminonaphthalene-5-sulfonyl-immunoglobulin G conjugates for application in fluorescence polarization studies. <b>1981</b> , 5, 1-17		19
2261	Fluorescence quenching studies with proteins. <b>1981</b> , 114, 199-227		1559
2260	On departures from the Stern-Volmer law for fluorescence quenching in liquids. <b>1981</b> , 74, 6993-6995		19
2259	Changes in the tryptophan fluorescence in gamma-irradiated human haemoglobin. <b>1981</b> , 39, 21-30		2
2258	Double beam fluorescence lifetime spectrometer with subnanosecond resolution: Application to aqueous tryptophan. <b>1982</b> , 53, 1392-1397		99
2257	Acrylamide and oxygen fluorescence quenching studies with liver alcohol dehydrogenase using steady-state and phase fluorometry. <i>Biochemistry</i> , <b>1982</b> , 21, 4443-9	3.2	41
2256	Nonequilibrium statistical thermodynamics and the effect of diffusion on chemical reaction rates. <b>1982</b> , 86, 5052-5067		105
2255	Probing the microenvironment of benzo[a]pyrene diol epoxide-DNA adducts by triplet excited state quenching methods. <b>1982</b> , 6, 269-81		13
2254	Dynamic proteins. <b>1983</b> , 305, 581-2		8
2253	Complex formation between ethidium bromide and the nucleotides AMP and GMP. <b>1983</b> , 38, 623-6		2
2252	Penetration of dioxygen into proteins studied by quenching of phosphorescence and fluorescence. <i>Biochemistry</i> , <b>1983</b> , 22, 1526-32	3.2	112
2251	Penetration of small molecules into proteins studied by quenching of phosphorescence and fluorescence. <i>Biochemistry</i> , <b>1983</b> , 22, 1533-9	3.2	131
2250	Rotational freedom of tryptophan residues in proteins and peptides. <i>Biochemistry</i> , <b>1983</b> , 22, 1741-52	3.2	210
2249	Differential polarized phase fluorometric studies of phospholipid bilayers under high hydrostatic pressure. <b>1983</b> , 732, 359-71		42

2248	Fluorescence quenching at high quencher concentrations. <b>1983</b> , 79, 3328-3335	41
2247	Quenching of Fluorescence. <b>1983</b> , 257-301	118
2246	Hydrogen exchange and structural dynamics of proteins and nucleic acids. <b>1983</b> , 16, 521-655	1075
2245	Conformational changes in biological macromolecules. <b>1984</b> , 21, 57-74	2
2244	Fluorescence quenching of Trp-314 of liver alcohol dehydrogenase by oxygen. <b>1984</b> , 20, 201-7	18
2243	Photochemical-like destruction of tryptophan in serum albumins induced by enzyme-generated triplet species. <b>1984</b> , 40, 565-8	17
2242	Monitoring protein conformational changes by quenching of intrinsic fluorescence. <b>1984</b> , 9, 351-5	14
2241	A model of dynamic quenching of fluorescence in globular proteins. <b>1984</b> , 45, 789-94	56
2240	Oxygen distribution and migration within Mbdes Fe and Hbdes Fe. Multifrequency phase and modulation fluorometry study. <b>1984</b> , 45, 795-803	49
2239	Electron paramagnetic resonance of spin-labeled aequorin. <i>Biochemistry</i> , <b>1984</b> , 23, 4383-90	3.2 14
2238	Lower limit of the gas permeability coefficient of gas vesicles. <b>1984</b> , 223, 177-196	12
2237	Red-edge excitation of fluorescence and dynamic properties of proteins and membranes. <i>Biochemistry</i> , <b>1984</b> , 23, 3013-21	3.2 141
2236	The conformation of the tRNAPhe anticodon loop monitored by fluorescence. <b>1984</b> , 12, 2157-70	15
2235	Chapter 1 Fluorescence Spectroscopy; Principles and Application to Biological Macromolecules. <b>1985</b> , 1-26	2
2234	Photochemical reactivity of the homologous proteins alpha-lactalbumin and lysozyme. <b>1985</b> , 24, 141-8	7
2233	Depth-dependent fluorescent quenching in micelles and membranes. <b>1985</b> , 822, 43-62	145
2232	Quenching of tryptophan phosphorescence in alcohol dehydrogenase from horse liver and its temperature dependence. <b>1985</b> , 41, 9-13	11
2231	The indole nucleus triplet-state lifetime and its dependence on solvent microviscosity. <b>1985</b> , 115, 196-200	94

2230	Dynamics of ligand field excited states in polypyridine ruthenium(II) complexes. <b>1985</b> , 114, 553-556	9
2229	The nature of the site of general anesthesia. <b>1985</b> , 27, 1-61	168
2228	Mechanisms of Interaction of Polycyclic Aromatic Diol Epoxides with DNA and Structures of the Adducts. <b>1985</b> , 107-124	14
2227	Fluorescence lifetime quenching and anisotropy studies of ribonuclease T1. <i>Biochemistry</i> , <b>1985</b> , 24, 5517-5526	62
2226	Gated quenching of intrinsic fluorescence and phosphorescence of globular proteins. An extended model. <b>1986</b> , 50, 55-61	19
2225	Ion-induced DNA structure change in nucleosomes. <i>Biochemistry</i> , <b>1986</b> , 25, 5070-82	3.2 6
2224	Transient effects in quenching detected by harmonic-content frequency-domain fluorometry. <b>1986</b> , 131, 343-348	26
2223	Dependence of oxygen quenching of intercalated methylene blue triplet lifetime on DNA base-pair composition. <b>1986</b> , 25, 307-16	20
2222	Bioanalytical applications of fluorescence quenching. <b>1986</b> , 5, 37-43	13
2221	Transient Effects in Fluorescence Quenching Measured by 2-GHz Frequency-Domain Fluorometry. <b>1987</b> , 91, 3277-3285	94
2220	Thermodynamics of the quenching of tyrosyl fluorescence by dithiothreitol. <i>Biochemistry</i> , <b>1987</b> , 26, 5761-5769	25
2219	Quenching of alkaline phosphatase phosphorescence by O <sub>2</sub> and NO. Evidence for inflexible regions of protein structure. <b>1987</b> , 52, 23-8	65
2218	Charge-transfer interaction of some pyridinium salts with hen egg-white lysozyme. <b>1987</b> , 265, 139-147	2
2217	Fluorescence quenching of carbazole and indole by ethylenetrithiocarbonate. <b>1987</b> , 140, 210-214	46
2216	Application of a finite initial separation limit to the concentration gradient model of fluorescence quenching in liquids. <b>1987</b> , 134, 519-524	27
2215	An examination of diffusion-influenced fluorescence quenching by nearest quenching neighbors in liquids. <b>1987</b> , 40, 1-8	1
2214	Fluorescence investigation on conformational state of rabbit muscle aldolase interacting with phosphatidylinositol liposomes. <b>1987</b> , 27, 97-102	4
2213	Fluctuation domains in myoglobin. Fluorescence quenching studies. <b>1987</b> , 162, 175-8	12

2212	TEMPERATURE AND VISCOSITY DEPENDENCE OF FLUORESCENCE QUENCHING BY OXYGEN IN MODEL SYSTEMS. <b>1987</b> , 45, 745-748	15
2211	Picosecond resolution of indole anisotropy decays and spectral relaxation by 2 GHz frequency-domain fluorometry. <b>1988</b> , 47, 31-41	26
2210	Acrylamide and molecular oxygen fluorescence quenching as a probe of solvent-accessibility of aromatic fluorophores complexed with DNA in relation to their conformations: coronene-DNA and other complexes. <b>1988</b> , 47, 181-8	23
2209	Determination of the dioxygen quenching constant for protein and model indole triplets. <b>1988</b> , 957, 207-16	12
2208	Kinetics of partly diffusion-controlled reactions XX: Fluorescence quenching by the nearest-neighbours model. <b>1988</b> , 42, 233-239	8
2207	Tryptophan sidechain dynamics in hydrophobic oligopeptides determined by use of <sup>13</sup> C nuclear magnetic resonance spectroscopy. <b>1988</b> , 54, 1-15	23
2206	Malaria sporozoite penetration. A new approach by double staining. <b>1988</b> , 112, 201-5	86
2205	Anisotropy Decays Of Single Tryptophan Proteins Measured By Ghz Frequency-Domain Fluorometry With Collisional Quenching. <b>1988</b> , 0909, 178	
2204	Transient Effects In The Acrylamide Quenching Of Single Tryptophan Proteins, Observed Using Frequency-Domain Fluorometry. <b>1988</b> , 0909, 170	1
2203	Applications of Optical Spectroscopy to Protein Conformational Transitions. <b>1988</b> , 177-192	
2202	Conformational change of the L-shaped tRNA(Phe) molecule. <b>1989</b> , 6, 729-39	4
2201	A fully reversible fiber optic lactate biosensor based on the intrinsic fluorescence of lactate monooxygenase. <b>1989</b> , 334, 427-430	31
2200	Spectroscopy and fluorescence quenching of tyrosine in lima bean trypsin/chymotrypsin inhibitor and model peptides. <b>1989</b> , 50, 721-31	6
2199	The triplet state as a probe of dynamics and structure in biological macromolecules. <b>1989</b> , 50, 841-58	24
2198	RAPID EQUILIBRATION OF OXYGEN IN FLUORESCENCE QUENCHING REACTIONS. <b>1989</b> , 50, 425-427	3
2197	Oxygen diffusion-concentration in erythrocyte plasma membranes studied by the fluorescence quenching of anionic and cationic pyrene derivatives. <b>1989</b> , 21, 375-85	21
2196	Oxygen diffusion through horseradish peroxidase. <b>1990</b> , 51, 487-9	9
2195	Microenvironmental control of photochemical reactions: II. Fluorescence quenching of naphthalene and 1,3-di-( $\beta$ -naphthyl)propane by RNA and bases in aqueous methanol. <b>1990</b> , 8, 340-349	1



2194	Effective medium theory of diffusion and chemical reaction in the presence of stationary sinks. <b>1990</b> , 169, 393-406	4
2193	Instrumentation for Steady-State and Dynamic Fluorescence and Absorbance Studies in Supercritical Media. <b>1990</b> , 44, 1196-1202	31
2192	Iodide penetration into lipid bilayers as a probe of membrane lipid organization. <b>1991</b> , 60, 127-32	35
2191	Time-resolved fluorescence studies of genetically engineered Escherichia coli glutamine synthetase. Effects of ATP on the tryptophan-57 loop. <i>Biochemistry</i> , <b>1991</b> , 30, 3406-16	3.2 28
2190	Oxygen diffusion near the heme binding site of horseradish peroxidase. <b>1991</b> , 178, 104-9	6
2189	Lifetime-selective fluorescence imaging using an rf phase-sensitive camera. <b>1991</b> , 62, 1727-1734	237
2188	Oxygen in mammalian tissue: methods of measurement and affinities of various reactions. <b>1991</b> , 260, C1131-50	210
2187	The effect of pressure on the dynamic quenching by oxygen of the excited singlet state of 9,10-dimethylantracene in solution. <b>1991</b> , 157, 271-278	10
2186	Anisotropy decays of single tryptophan proteins measured by GHz frequency-domain fluorometry with collisional quenching. <b>1991</b> , 19, 125-40	31
2185	Fluorescence Quenching Reactions. <b>1991</b> , 1-41	52
2184	Fluorescence lifetime imaging of Ca <sup>2+</sup> using visible wavelength excitation and emission. <b>1992</b> , 1640, 390	8
2183	Fluorescence-lifetime-based sensing of blood gases and cations. <b>1992</b> ,	5
2182	Oxygen diffusion-concentration product in rhodopsin as observed by a pulse ESR spin labeling method. <b>1992</b> , 63, 573-7	30
2181	Packing of phospholipid vesicles studied by oxygen quenching of Laurdan fluorescence. <b>1992</b> , 2, 167-74	26
2180	Viscosity dependence of acrylamide quenching of ribonuclease T1 fluorescence. The gating mechanism. <b>1992</b> , 1119, 81-9	11
2179	Fluorescence lifetime imaging. <b>1992</b> , 202, 316-30	301
2178	Electroluminescent lamp-based phase fluorometer and oxygen sensor. <b>1992</b> , 201, 319-25	48
2177	Fluorescence lifetime-based sensing of pH, Ca <sup>2+</sup> , K <sup>+</sup> and glucose. <b>1993</b> , 11, 133-143	103

2176	Kinetics and mechanism of photoprotonation of coumarin-102 by sulfuric acid in ethanol. <b>1993</b> , 59, 653-658	3
2175	Luminescence and anisotropy decays of N-3-pyrene maleimide labeling IgG proteins and cells. <b>1993</b> , 3, 223-7	3
2174	On the mechanism of energy transfer to Tb <sup>3+</sup> ions in proteins. A time-resolved luminescence study of the Tb-elastase complex. <b>1993</b> , 211, 467-73	8
2173	Fluorescence lifetime and quenching studies of sarcoplasmic reticulum Ca(2+)-adenosine-5'-triphosphatase. <b>1993</b> , 58, 195-9	7
2172	Lifetime-Based Sensing Using Phase-Modulation Fluorometry. <b>1993</b> , 196-226	3
2171	Oxygen fluorescence quenching studies with single tryptophan-containing proteins. <b>1994</b> , 4, 187-93	2
2170	Light quenching of fluorescence: a new method to control the excited state lifetime and orientation of fluorophores. <b>1994</b> , 60, 546-62	32
2169	Influence of cholesterol on phospholipid bilayers phase domains as detected by Laurdan fluorescence. <b>1994</b> , 66, 120-32	196
2168	Topics in Fluorescence Spectroscopy. <b>1994</b> ,	141
2167	Diffusion-modulated energy transfer and quenching: analysis by numerical integration of diffusion equation in laplace space. <b>1994</b> , 240, 216-62	21
2166	Fluorescence energy transfer in one dimension: frequency-domain fluorescence study of DNA-fluorophore complexes. <b>1995</b> , 35, 245-55	37
2165	Analysis of fluorescence quenching in some antioxidants from non-linear Stern-Volmer plots. <b>1995</b> , 63, 75-84	97
2164	Photochemistry in microemulsions: fluorescence quenching of 1- and 2-naphthol by Cu <sup>2+</sup> . <b>1995</b> , 90, 69-73	27
2163	Fast dynamic excited state proton transfer (ESPT) reaction of weak oxoaromatic bases. Aminocoumarins with fixed amino group. <b>1995</b> , 92, 163-172	4
2162	Cholesterol protects the phospholipid bilayer from oxidative damage. <b>1995</b> , 19, 511-6	40
2161	How do volatile anesthetics inhibit Ca(2+)-ATPases?. <b>1995</b> , 270, 28239-45	23
2160	Application of fluorescence spectroscopy for determining the structure and function of proteins. <b>1995</b> , 7, 1-63	12
2159	Accessibility of the fluorescent reporter group in native, silica-adsorbed, and covalently attached acrylodan-labeled serum albumins. <b>1996</b> , 68, 3194-8	19

2158	Changes in Polarity and Aggregation Number upon Clouding of a Nonionic Detergent: Effect of Ionic Surfactants and Sodium Chloride. <b>1996</b> , 12, 916-920	82
2157	A possible tertiary structure change induced by acrylamide in the DNA-binding domain of the Tn10-encoded Tet repressor. A fluorescence study. <b>1996</b> , 15, 205-18	2
2156	Two-photon induced fluorescence of linear alkanes; a possible intrinsic lipid probe. <b>1996</b> , 57, 291-5	13
2155	Quenching of Ketone Phosphorescence by Molecular Oxygen at the Gas/Solid Interface. <b>1997</b> , 13, 2699-2707	6
2154	Characterization of the two myotoxin a isomers from the prairie rattlesnake ( <i>Crotalus viridis viridis</i> ) by capillary zone electrophoresis and fluorescence quenching studies. <b>1997</b> , 35, 689-98	6
2153	Long-Lifetime Metal-Ligand Complexes as Luminescent Probes for DNA. <b>1997</b> , 7, 107-112	32
2152	Two-photon excitation of dioxane: time-resolved measurements of excited state complex formation with water. <b>1997</b> , 53A, 1637-44	3
2151	Laurdan and Prodan as Polarity-Sensitive Fluorescent Membrane Probes. <b>1998</b> , 8, 365-373	470
2150	Interaction of 3-aminophthalhydrazide with 5-hydroxytetracycline and chloramphenicol:. <b>1998</b> , 54, 525-533	5
2149	Time-resolved and steady-state fluorescence quenching of N-acetyl-L-tryptophanamide by acrylamide and iodide. <b>1998</b> , 73, 53-75	41
2148	Interaction of the copper(II) macrocyclic complexes with DNA studied by fluorescence quenching of ethidium. <b>1998</b> , 71, 1-6	59
2147	Long-range and short-range oxidative damage to DNA: photoinduced damage to guanines in ethidium-DNA assemblies. <i>Biochemistry</i> , <b>1998</b> , 37, 15933-40	3.2 74
2146	Unfolding of acrylodan-labeled human serum albumin probed by steady-state and time-resolved fluorescence methods. <b>1998</b> , 75, 1084-96	164
2145	Application of automated methods for determination of protein conformational stability. <b>1998</b> , 295, 150-70	13
2144	Biophysics of the green fluorescent protein. <b>1999</b> , 58, 1-18	38
2143	Introduction to Fluorescence. <b>1999</b> , 1-23	37
2142	Instrumentation for real-time fluorescence lifetime imaging in endoscopy. <b>1999</b> , 70, 4689-4701	42
2141	Excited state complex formation between 3-aminophthalhydrazide and DNA: a fluorescence quenching reaction. <b>1999</b> , 55, 2711-2717	9

2140	The beta-glycosidase from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> : enzyme activity and conformational dynamics at temperatures above 100 degrees C. <b>1999</b> , 81, 23-31	38
2139	Proton transfer reaction of 4-methyl-2,6-diamidophenol in aqueous medium at room temperature and 77 K. <b>1999</b> , 85, 79-89	6
2138	Fluorescence Spectral Properties of the Anticancer Drug Topotecan by Steady-State and Frequency Domain Fluorometry with One-Photon and Multi-Photon Excitation. <b>1999</b> , 69, 421-428	28
2137	Multiharmonic Fourier Phase-Modulation Fluorescence Spectroscopy with an Intracavity-Doubled Laser at 257.3 nm. <b>1999</b> , 53, 1475-1479	6
2136	Enzyme specificity under dynamic control: a normal mode analysis of alpha-lytic protease. <b>1999</b> , 286, 267-78	71
2135	On spectral relaxation in proteins. <b>2000</b> , 72, 421-37	129
2134	Carboxyfluorescein fluorescence experiments. <b>2000</b> , 28, 171-173	2
2133	Conformational studies of <i>Actinobacillus actinomycetemcomitans</i> leukotoxin: partial denaturation enhances toxicity. <b>2000</b> , 1476, 350-62	19
2132	Relationship between foaming properties and solution properties of protein/nonionic surfactant mixtures. <b>2000</b> , 3, 491-495	16
2131	Structure of <i>Acinetobacter</i> strain ADP1 protocatechuate 3, 4-dioxygenase at 2.2 Å resolution: implications for the mechanism of an intradiol dioxygenase. <i>Biochemistry</i> , <b>2000</b> , 39, 7943-55	3.2 87
2130	Carboxyfluorescein fluorescence experiments. <b>2000</b> , 28, 171-173	20
2129	Probing the Origins of Spectroscopic Responses to Analyte-Induced Conformational Changes in Fluorescently-Labeled Cod III Parvalbumin. <b>2000</b> , 104, 10100-10110	15
2128	O <sub>2</sub> Quenching of Ruthenium(II) Tris(2,2'-bipyridyl) <sub>2</sub> + within the Water Pool of Perfluoropolyether-Based Reverse Micelles Formed in Supercritical Carbon Dioxide. <b>2000</b> , 16, 5593-5599	25
2127	Experimental Measurement of Nonuniform Dioxygen Accessibility to Ribonuclease A Surface and Interior. <b>2000</b> , 122, 2667-2668	31
2126	Photoluminescence of Water-Soluble Conjugated Polymers: Origin of Enhanced Quenching by Charge Transfer. <b>2000</b> , 33, 5153-5158	219
2125	Nanosecond Fluorescence Dynamic Stokes Shift of Tryptophan in a Protein Matrix. <b>2000</b> , 104, 11286-11295	36
2124	Effects of high hydrostatic pressures on living cells: a consequence of the properties of macromolecules and macromolecule-associated water. <b>2001</b> , 201, 1-84	45
2123	The Seminal Contributions of Gregorio Weber to Modern Fluorescence Spectroscopy. <b>2001</b> , 35-58	6

2122	Optical halide sensing using fluorescence quenching: theory, simulations and applications - a review. <b>2001</b> , 12, R53-R88		217
2121	Demystifying luminescent paint technology - A guide for non-developers. <b>2001</b> ,		7
2120	Topics in Fluorescence Spectroscopy. <b>2002</b> ,		18
2119	Topics in Fluorescence Spectroscopy. <b>2002</b> ,		9
2118	Multiphoton Excitation of Biochemical Fluorophores. <b>2002</b> , 87-144		3
2117	Lifetime-Based Sensing. <b>2002</b> , 295-334		17
2116	The Photophysics of 6-(1-Pyrenyl)hexyl-11(1-pyrenyl)undecanoate Dissolved in Organic Liquids and Supercritical Carbon Dioxide: Impact on Olefin Metathesis. <b>2002</b> , 106, 1820-1832		26
2115	Mapping the cytochrome C folding landscape. <b>2002</b> , 124, 5481-5		99
2114	Temperature Dependence of Fluorescent Probes for Applications to Polymer Materials Processing. <b>2002</b> , 56, 174-181		29
2113	Mapping proximity within proteins using fluorescence spectroscopy. A study of T4 lysozyme showing that tryptophan residues quench bimane fluorescence. <i>Biochemistry</i> , <b>2002</b> , 41, 2475-84	3.2	85
2112	Dendrimers Functionalized with a Single Pyrene Label: Synthesis, Photophysics, and Fluorescence Quenching. <b>2002</b> , 106, 8649-8656		39
2111	Fluorescence Quenching by Stimulated Emission. <b>2002</b> , 305-360		
2110	Fluorescence Quenching: Theory and Applications. <b>2002</b> , 53-126		58
2109	The effects of dissolved oxygen upon amide proton relaxation and chemical shift in a perdeuterated protein. <b>2002</b> , 157, 181-9		18
2108	DNA-binding and cleavage studies of macrocyclic copper(II) complexes. <b>2002</b> , 91, 269-76		291
2107	DNA binding studies of ruthenium(II) complexes containing asymmetric tridentate ligands. <b>2002</b> , 92, 165-70		203
2106	Study of the interaction between terazosin and serum albumin: Synchronous fluorescence determination of terazosin. <b>2002</b> , 452, 185-189		166
2105	Binding equilibrium study of phosphotungstic acid and HSA or BSA with UV spectrum, fluorescence spectrum and equilibrium dialysis. <b>2002</b> , 45, 200		10

2104	Metallophthalocyanines Photosensitize the Breakdown of (Hydro)peroxides in Solution to Yield Hydroxyl or Alkoxyl and Peroxyl Free Radicals via Different Interaction Pathways ¶. <b>2003</b> , 77, 469-479	1
2103	Syntheses, characterization and DNA-binding studies of ruthenium(II) terpyridine complexes: [Ru(tpy)(PHBI)] <sup>2+</sup> and [Ru(tpy)(PHNI)] <sup>2+</sup> . <b>2003</b> , 93, 247-55	83
2102	Synthesis, characterization, DNA-binding and cleavage studies of [Ru(bpy) <sub>2</sub> (actatp)] <sup>2+</sup> and [Ru(phen) <sub>2</sub> (actatp)] <sup>2+</sup> (actatp=acenaphthereno[1,2-b]-1,4,8,9-tetraazaphenylene). <b>2003</b> , 97, 207-14	58
2101	Study of the interaction between daunorubicin and human serum albumin, and the determination of daunorubicin in blood serum samples. <b>2003</b> , 59, 1605-10	114
2100	Accessibility of oxygen with respect to the heme pocket in horseradish peroxidase. <b>2003</b> , 53, 656-66	23
2099	Dynamic Molecular Oxygen Accessibility to a Buried Mn <sup>2+</sup> Protein Site: A High-Field EPR Experiment. <b>2003</b> , 107, 7212-7215	7
2098	Solvent-sensitive dyes to report protein conformational changes in living cells. <b>2003</b> , 125, 4132-45	145
2097	A Study of the Interaction Between a New Reagent and Serum Albumin by Fluorescence Spectroscopy. <b>2003</b> , 36, 2151-2166	68
2096	References. <b>2004</b> , 387-407	
2095	Lens alpha-crystallin and hypericin: a photophysical mechanism explains observed lens. <b>2004</b> , 80, 444-9	6
2094	Energy transfer and excited state lifetime of some anthracene laser dyes. <b>2004</b> , 36, 463-469	13
2093	Synthesis, Characterization, and DNA Interaction Studies of the Ruthenium(II) Complexes [Ru(bpy) <sub>2</sub> (ipbp)] <sup>2+</sup> and [Ru(ipbp)(phen) <sub>2</sub> ] <sup>2+</sup> (ipbp=3-(1H-Imidazo[4,5-f][1,10]phenanthrolin-2-yl)-4H-1-benzopyran-2-one; bpy=2,2'-Bipyridine; phen=1,10-Phenanthroline). <b>2004</b> , 87, 3113-3120	22
2092	The interaction of human serum albumin with a novel antidiabetic agent--SU-118. <b>2004</b> , 93, 1039-46	73
2091	Investigation of the interaction between flavonoids and human serum albumin. <b>2004</b> , 703, 37-45	342
2090	Interactions between 1-benzoyl-4-p-chlorophenyl thiosemicarbazide and serum albumin: investigation by fluorescence spectroscopy. <b>2004</b> , 12, 151-7	319
2089	Study of the interactions between tetracycline analogues and lysozyme. <b>2004</b> , 12, 2043-7	52
2088	Study of the interaction between monoammonium glycyrrhizinate and bovine serum albumin. <b>2004</b> , 36, 915-9	550
2087	Effects of the substitution positions of Br group in intercalative ligand on the DNA-binding behaviors of Ru(II) polypyridyl complexes. <b>2004</b> , 98, 87-97	58

2086	DNA interactions of cobalt(III) mixed-polypyridyl complexes containing asymmetric ligands. <b>2004</b> , 98, 1143-50	136
2085	Fluorescence spectroscopy studies on 5-aminosalicylic acid and zinc 5-aminosalicylate interaction with human serum albumin. <b>2004</b> , 34, 189-97	63
2084	Lysozyme enhanced europium-ethacetyline complex fluorescence: a new spectrofluorimetric method for the determination of lysozyme. <b>2004</b> , 511, 11-16	40
2083	High-throughput protein structural analysis using site-directed fluorescence labeling and the bimeane derivative (2-pyridyl)dithiobimeane. <i>Biochemistry</i> , <b>2004</b> , 43, 9426-38	3.2 50
2082	Mapping oxygen accessibility to ribonuclease A using high-resolution NMR relaxation spectroscopy. <b>2004</b> , 86, 1713-25	29
2081	Binding interaction of gatifloxacin with bovine serum albumin. <b>2004</b> , 20, 465-70	104
2080	Mixed-ligand complexes of ruthenium(II) incorporating a diazo ligand: Synthesis, characterization and DNA binding. <b>2005</b> , 117, 153-159	25
2079	Fluorescence Imaging of Reactive Processes. <b>2005</b> , 219, 747-774	7
2078	The Three-Dimensional Structure of Green Fluorescent Protein and Its Implications for Function and Design. <b>2005</b> , 67-82	
2077	Molecular spectroscopic study on the interaction of tetracyclines with serum albumins. <b>2005</b> , 61, 629-36	380
2076	Study on the interaction of new water-soluble porphyrin with DNA. <b>2005</b> , 61, 2041-7	47
2075	Spectroscopic investigation of the interaction between human serum albumin and three organic acids. <b>2005</b> , 61, 2245-51	30
2074	Studies on interaction between gatifloxacin and human serum albumin as well as effect of copper(II) on the reaction. <b>2005</b> , 61, 3006-12	29
2073	Spectroscopic characterization of effective components anthraquinones in Chinese medicinal herbs binding with serum albumins. <b>2005</b> , 62, 203-12	69
2072	Studies on the interaction of colloidal gold and serum albumins by spectral methods. <b>2005</b> , 62, 1203-8	95
2071	Fluorescence spectroscopic study of serum albumin-bromadiolone interaction: fluorimetric determination of bromadiolone. <b>2005</b> , 38, 556-63	149
2070	Some properties of the interaction between 2,2'-diselenadibenzoic acid and serum albumins. <b>2005</b> , 39, 263-7	9
2069	Interaction of daunomycin antibiotic with human serum albumin: investigation by resonant mirror biosensor technique, fluorescence spectroscopy and molecular modeling methods. <b>2005</b> , 39, 404-10	33

2068	Interaction of human serum albumin with bendroflumethiazide studied by fluorescence spectroscopy. <b>2005</b> , 80, 139-44	24
2067	Fluorometric investigation of the interaction of bovine serum albumin with surfactants and 6-mercaptopurine. <b>2005</b> , 80, 235-42	110
2066	Fluorescence quenching of fluorescein with molecular oxygen in solution. <b>2005</b> , 170, 105-111	76
2065	Interaction of polypyridyl ruthenium (II) complex containing asymmetric ligand with DNA. <b>2005</b> , 99, 530-7	94
2064	Effect of charge transfer bands on the photo-induced DNA cleavage activity of [1-(2-thiazolylazo)-2-naphtholato]copper(II) complexes. <b>2005</b> , 99, 805-12	92
2063	Synthesis, crystal structure and nuclease activity of a Schiff base copper(II) complex. <b>2005</b> , 99, 1076-82	73
2062	Syntheses and DNA-binding studies of two ruthenium(II) complexes containing one ancillary ligand of bpy or phen: [Ru(bpy)(pp[2,3]p)2](ClO4)2 and [Ru(phen)(pp[2,3]p)2](ClO4)2. <b>2005</b> , 99, 1685-91	80
2061	DNA-binding and cleavage studies of novel copper(II) complex with L-phenylalaninate and 1,4,8,9-tetra-aza-triphenylene ligands. <b>2005</b> , 99, 2240-7	98
2060	Ruthenium(II) complexes containing asymmetric 2-(pyrazin-2-yl)naphthoimidazole: syntheses, characterization, DNA-binding and photocleavage studies. <b>2005</b> , 358, 1904-1910	22
2059	Synthesis, characterization, structures and DNA-binding properties of complexes [Ru(bpy)2(L)]2+ (L=ptdb, ptda and ptdp) with asymmetric intercalative ligands. <b>2005</b> , 358, 3430-3440	46
2058	Fluorescence quenching of EBDNA complex by a novel di-bipyridyl ruthenium(II) complex of p-tert-butyltetrathiacalix[4]arene. <b>2005</b> , 8, 988-991	7
2057	Nonlinear optical studies of heme protein dynamics: implications for proteins as hybrid states of matter. <b>2005</b> , 1749, 148-72	29
2056	The nucleotide-binding site of the Escherichia coli DnaC protein: molecular topography of DnaC protein-nucleotide cofactor complexes. <b>2005</b> , 43, 331-53	4
2055	Study on the Interaction between Pefloxacin Mesylate and Human Serum Albumin. <b>2005</b> , 23, 37-43	8
2054	Thermodynamic and dynamic factors involved in the stability of native protein structure in amorphous solids in relation to levels of hydration. <b>2005</b> , 94, 1636-67	77
2053	Thermodynamics of the interaction of aluminum ions with DNA: implications for the biological function of aluminum. <b>2005</b> , 99, 1145-54	58
2052	New modulated metallic macrocycles: Electrochemistry and their interaction with calf thymus DNA. <b>2005</b> , 1, 677-89	55
2051	Biophysical studies of a ruthenium(II) polypyridyl complex binding to DNA and RNA prove that nucleic acid structure has significant effects on binding behaviors. <b>2005</b> , 10, 529-38	71



2050	Bis(2,2'-bipyridine)cobalt(III) complexes containing asymmetric ligands: Synthesis, DNA-binding and photocleavage studies. <b>2005</b> , 30, 305-311	28
2049	Studies of Adriamycin Binding to Histone H1 by Resonant Mirror Biosensor and Fluorescence Spectroscopy. <b>2005</b> , 38, 2151-2164	3
2048	Time-resolved emission upon two-photon excitation of bis-N-carbazolyl-distyrylbenzene: mapping of water molecule distribution in the mouse brain. <b>2005</b> , 29, 1044	4
2047	Fluorescence-based peptide labeling and fractionation strategies for analysis of cysteine-containing peptides. <b>2005</b> , 77, 4495-502	19
2046	Fluorescence spectroscopy of U(VI)-silicates and U(VI)-contaminated Hanford sediment. <b>2005</b> , 69, 1391-1403	109
2045	Natively Disordered Proteins. 275-357	54
2044	Mechanism of DNA Strand Cleavage Induced by Hexaaza Macrocyclic Nickel (II) Complex. <b>2006</b> , 16, 515-23	5
2043	Role of analytical ultracentrifugation in assessing the aggregation of protein biopharmaceuticals. <b>2006</b> , 8, E590-605	112
2042	Study of the interaction between doxepin hydrochloride and bovine serum albumin by spectroscopic techniques. <b>2006</b> , 39, 234-9	71
2041	Quenching of Fluorescence. <b>2006</b> , 277-330	148
2040	Study on DNA Cleavage by the Hexaaza Macrocyclic Copper(II) Complex. <b>2006</b> , 43, 279-288	9
2039	Study of the interaction of artemisinin with bovine serum albumin. <b>2006</b> , 39, 291-7	63
2038	Study of the interaction of carbamazepine with bovine serum albumin by fluorescence quenching method. <b>2006</b> , 22, 435-8	78
2037	Fluorescence. <b>2006</b> ,	
2036	Fluorescent investigation of the interactions between N-(p-chlorophenyl)-N'-(1-naphthyl) thiourea and serum albumin: synchronous fluorescence determination of serum albumin. <b>2006</b> , 571, 175-83	97
2035	Interaction of ICT receptor with serum albumins in aqueous buffer. <b>2006</b> , 424, 387-393	40
2034	A novel naturally occurring tripyrrole with potential nuclease and anti-tumour properties. <b>2006</b> , 14, 2480-6	7
2033	Synthesis, characterization, and DNA-binding properties of the Ln(III) complexes with 6-hydroxy chromone-3-carbaldehyde-(2'-hydroxy) benzoyl hydrazone. <b>2006</b> , 14, 6012-21	105

2032	Ruthenium(II) mixed-ligand complexes containing 2-(6-methyl-3-chromonyl)imidazo[4,5-f][1,10]-phenanthroline: Synthesis, DNA-binding and photocleavage studies. <b>2006</b> , 359, 3807-3814	58
2031	Synthesis, characterization and DNA binding studies of a polymer-cobalt(III) complex containing the 2,2'-bipyridyl ligand. <b>2006</b> , 25, 3113-3117	51
2030	Study of the interaction of an anticancer drug with human and bovine serum albumin: spectroscopic approach. <b>2006</b> , 41, 393-9	441
2029	Study on the interaction of 3,3-bis(4-hydroxy-1-naphthyl)-phthalide with bovine serum albumin by fluorescence spectroscopy. <b>2006</b> , 177, 6-11	128
2028	Spectroscopic studies on the interaction between riboflavin and albumins. <b>2006</b> , 65, 811-7	109
2027	Fluorescence study on the interaction of human serum albumin with bromsulphalein. <b>2006</b> , 65, 1144-7	42
2026	New homodi- and heterotrimeric metal complexes of Schiff base compartmental ligand: interaction studies of copper complexes with calf thymus DNA. <b>2006</b> , 4, 502-522	14
2025	Study of interactions of flavonoids with DNA using acridine orange as a fluorescence probe. <b>2006</b> , 119, 199-208	202
2024	Interaction of APT with BSA or HSA. <b>2006</b> , 51, 2201-2207	29
2023	The interaction between N-n-undecyl-N'-(sodium p-aminobenzenesulfonate) thiourea and serum albumin studied using various spectroscopies and the molecular modeling method. <b>2006</b> , 83, 170-81	6
2022	Chiral and achiral macrocyclic copper(II) complexes: Synthesis, characterization, and comparative binding studies with calf-thymus DNA. <b>2006</b> , 3, 660-76	36
2021	Synthesis and the Effect of a Peripheral N-Arylcarbazole Moiety on the Acid-Base and DNA Binding Properties of a Novel Ru(II) Complex. <b>2006</b> , 2006, 430-436	33
2020	Fluorescence Quenching of UVITEX-OB by Aniline in Alcohols and Alkanes. <b>2006</b> , 39, 321-335	15
2019	Photophysical, photochemical and bovine serum albumin binding studies on water-soluble gallium(III) phthalocyanine derivatives. <b>2007</b> , 11, 635-644	20
2018	Lasers. <b>2007</b> , 359-531	
2017	Binding Interactions of Hematoporphyrin Monomethyl Ether with Human Serum Albumin. <b>2007</b> ,	
2016	Spectrophotofluorimetric Study of the Interaction between Trazodone Hydrochloride and Bovine Serum Albumin. <b>2007</b> , 40, 2721-2736	2
2015	Synthesis, molecular structure, DNA binding and cleavage properties of a novel ternary Cu(II) complex containing dipyrro[3,2-a : 2'3'-c]phenazine and L-tryptophanate. <b>2007</b> , 60, 1359-1371	4

2014	Structures and DNA-binding and cleavage properties of ternary copper(II) complexes of glycine with phenanthroline, bipyridine, and bipyridylamine. <b>2007</b> , 55, 853-60	21
2013	Studies on the interaction of cinnamic acid with bovine serum albumin. <b>2007</b> , 55, 871-5	27
2012	Investigation of the Interaction between N,N'-Di(4-Chlorophenyl)Thiourea and Human Serum Albumin by Fluorescence Spectroscopy: Synchronous Fluorescence Determination of Human Serum Albumin. <b>2007</b> , 54, 533-539	3
2011	A fluorescence spectroscopic study of the interaction between epristeride and bovin serum albumine and its analytical application. <b>2007</b> , 73, 668-73	118
2010	Nonlinear Optical Spectroscopy. <b>2007</b> , 533-633	0
2009	In vitro study on the binding of anti-coagulant vitamin to bovine serum albumin and the influence of toxic ions and common ions on binding. <b>2007</b> , 41, 81-6	52
2008	Studies of the interaction between paraquat and bovine hemoglobin. <b>2007</b> , 41, 243-50	167
2007	A study on the self assembly of Fe(II) and dual binding of Ni(II) porphyrazines on CT-DNA. <b>2007</b> , 11, 805-814	10
2006	How do enzymes activate oxygen without inactivating themselves?. <b>2007</b> , 40, 325-33	117
2005	Differences of Eu(III) and Cm(III) chemistry in ionic liquids: investigations by TRLFS. <b>2007</b> , 240-8	35
2004	Spectroscopic studies on the interaction of hypocrellin A with myoglobin. <b>2007</b> , 21, 235-243	7
2003	Synthesis, DNA-binding, cleavage, and cytotoxic activity of new 1,7-dioxo-4,10-diazacyclododecane artificial receptors containing bisguanidinoethyl or diaminoethyl double side arms. <b>2007</b> , 13, 9703-12	91
2002	Investigation of interaction between human serum albumin and N6-(2-hydroxyethyl)-adenosine by fluorescence spectroscopy and molecular modelling. <b>2007</b> , 22, 546-53	10
2001	Spectroscopic and molecular modeling studies of the interaction between cytidine and human serum albumin and its analytical application. <b>2007</b> , 87, 174-82	3
2000	Mixed-ligand copper(II)-phenanthroline-dipeptide complexes: synthesis, characterization, and DNA-cleavage properties. <b>2007</b> , 4, 468-80	19
1999	Synthesis and DNA binding/cleavage of mononuclear copper(II) phenanthroline/bipyridine proline complexes. <b>2007</b> , 4, 1565-77	17
1998	Spectroscopic analysis of the binding interaction between tinidazole and bovine serum albumin (BSA). <b>2007</b> , 4, 2780-90	11
1997	Effect of substitution pattern of ancillary ligands on the DNA-binding behavior of two new Ru(II)-polypyridyl complexes. <b>2007</b> , 4, 2863-73	2

1996 References. **2007**, 233-249

1995	Synthesis, Characterization, and DNA-Binding Properties of the Chiral Ruthenium(II) Complexes $[Ru(bpy)_2(dmppd)]^{2+}$ and $[Ru(bpy)_2(dmppd)]^{2+}$ (dmppd = 10,12-Dimethylpteridino[6,7-f] [1,10]phenanthroline-11,13(10H,12H)-dione; bpy = 2,2'-Bipyridine). <b>2007</b> , 90, 36-51	19
1994	Studies on Thermodynamics Features of the Interaction between Imidacloprid and Bovine Serum Albumin. <b>2007</b> , 25, 1085-1089	10
1993	Interaction of Co(II) with Bovine Serum Albumin under UV C Irradiation. <b>2007</b> , 25, 1116-1120	3
1992	Investigation of the Interaction between Isoflavonoids and Bovine Serum Albumin by Fluorescence Spectroscopy. <b>2007</b> , 25, 1151-1155	7
1991	Spectroscopic Study on Interaction of Lomefloxacin with Human Serum Albumin in the Presence of Copper Ion. <b>2007</b> , 25, 1675-1680	9
1990	DNA-binding and photocleavage studies of mixed polypyridyl ruthenium(II) complexes with calf thymus DNA. <b>2007</b> , 360, 2016-2022	46
1989	Probing the binding of flavonoids to catalase by molecular spectroscopy. <b>2007</b> , 843, 38-44	43
1988	Stannoxane capping derived from chiral tridentate NNO donor ligand for nickel and copper macrocycles: Comparative binding studies of stannoxane moiety and its modulated copper complex with CTDNA. <b>2007</b> , 692, 5156-5164	33
1987	Analysis of binding interaction between puerarin and bovine serum albumin by multi-spectroscopic method. <b>2007</b> , 45, 609-15	158
1986	Binding of trazodone hydrochloride with human serum albumin: A spectroscopic study. <b>2007</b> , 185, 239-244	38
1985	18#Glycyrrhetic acid interaction with bovine serum albumin. <b>2007</b> , 185, 271-276	94
1984	Effect of the structure and concentration of cyclodextrins in the quenching process of naproxen. <b>2007</b> , 188, 5-11	13
1983	Spectroscopic studies on the binding of bioactive phenothiazine compounds to human serum albumin. <b>2007</b> , 189, 121-127	83
1982	Study on the binding of farrerol to human serum albumin. <b>2007</b> , 191, 59-65	21
1981	Study on interaction between apigenin and human serum albumin by spectroscopy and molecular modeling. <b>2007</b> , 191, 104-113	87
1980	Study of the interaction between baicalin and bovine serum albumin by multi-spectroscopic method. <b>2007</b> , 191, 222-227	85
1979	Synthesis, crystal structure, magnetic property and nuclease activity of a new binuclear cobalt(II) complex. <b>2007</b> , 101, 196-202	45

1978	DNA-binding and cleavage studies of novel binuclear copper(II) complex with 1,1'-dimethyl-2,2'-biimidazole ligand. <b>2007</b> , 101, 283-90	111
1977	Selective guanosine binding and cytotoxicity of a benzimidazole derived dinickel complex. <b>2007</b> , 101, 1894-902	18
1976	Analysis of fluorescence quenching of pyronin B and pyronin Y by molecular oxygen in aqueous solution. <b>2007</b> , 126, 103-108	23
1975	Interaction of the flavonoid hesperidin with bovine serum albumin: A fluorescence quenching study. <b>2007</b> , 126, 211-218	320
1974	The binding of 3-(p-bromophenyl)-5-methyl-thiohydantoin with human serum albumin: Investigation by fluorescence spectroscopy and molecular model. <b>2007</b> , 127, 409-415	15
1973	Investigation on the pH-dependent binding of Eosin Y and bovine serum albumin by spectral methods. <b>2007</b> , 127, 515-522	55
1972	Synthesis, characterization and DNA-binding studies on La(III) and Ce(III) complexes containing ligand of N-phenyl-2-pyridinecarboxamide. <b>2007</b> , 68, 184-90	44
1971	Binding analysis of farrerol to lysozyme by spectroscopic methods. <b>2007</b> , 68, 354-9	33
1970	Synthesis, characterization of Ag(I), Pd(II) and Pt(II) complexes of a triazine-3-thione and their interactions with bovine serum albumin. <b>2007</b> , 68, 763-70	9
1969	Flexibility in Proteins: Tuning the Sensitivity to O <sub>2</sub> Diffusion by Varying the Lifetime of a Phosphorescent Sensor in Horseradish Peroxidase¶. <b>2007</b> , 80, 36-40	
1968	Lens Crystallin and Hypericin: A Photophysical Mechanism Explains Observed Lens Damage¶¶ <b>2007</b> , 80, 444-449	
1967	On Spectral Relaxation in Proteins¶¶?. <b>2007</b> , 72, 421-437	7
1966	Nitroaniline isomers interaction with bovine serum albumin and toxicological implications. <b>2007</b> , 17, 512-21	86
1965	Synthesis, DNA-binding and photocleavage studies of cobalt(III) complexes [Co(bpy) <sub>2</sub> (dpta)] <sup>3+</sup> and [Co(bpy) <sub>2</sub> (amtp)] <sup>3+</sup> . <b>2007</b> , 32, 271-277	16
1964	Targeting topoisomerase II with the chiral DNA-intercalating ruthenium(II) polypyridyl complexes. <b>2007</b> , 12, 1015-27	74
1963	Synthesis, DNA-binding and photocleavage studies of cobalt(III) mixed-polypyridyl complexes: [Co(phen) <sub>2</sub> (dpta)] <sup>(3+)</sup> and [Co(phen) <sub>2</sub> (amtp)] <sup>(3+)</sup> . <b>2007</b> , 101, 404-11	71
1962	Study on the interaction between salicylic acid and catalase by spectroscopic methods. <b>2007</b> , 44, 796-801	16
1961	Mechanism of interaction between human serum albumin and N-alkyl phenothiazines studied using spectroscopic methods. <b>2008</b> , 47, 260-7	53

1960	Template synthesis of novel carboxamide dinuclear copper (II) complex: spectral characterization and reactivity towards calf-thymus DNA. <b>2008</b> , 21, 299-310	42
1959	Synthesis, crystal structure, and DNA-binding studies of a one-dimensional copper(II) polymer bridged both by oxamidate and thiocyanato ligands. <b>2008</b> , 19, 819-826	4
1958	Ruthenium(II) complexes containing 2,9-dimethyl-1,10-phenanthroline and 4,4'-dimethyl-2,2'-bipyridine as ancillary ligands: synthesis, characterization and DNA-binding. <b>2008</b> , 33, 289-294	35
1957	Study on the interaction mechanism of lysozyme and bromophenol blue by fluorescence spectroscopy. <b>2008</b> , 18, 11-5	21
1956	Fluorescence study on the interaction of bovine serum albumin with p-aminoazobenzene. <b>2008</b> , 18, 109-18	309
1955	Solvothermal Synthesis, Crystal Structure and DNA Binding Studies of a 3D Supramolecular Complex {[Cu(phen)CN][Cu(phen)][Cu(CN) <sub>2</sub> ]} <sub>n</sub> Assembled by Double Curvy Chains. <b>2008</b> , 18, 398-406	10
1954	Study on the interaction of a palladium complex with DNA. <b>2008</b> , 49, 1048-1054	13
1953	Study of the Interaction between Trans-resveratrol and BSA by the Multi-spectroscopic Method. <b>2008</b> , 37, 1609-1623	46
1952	Spectroscopic determination of binding between human serum albumin and a platinum(II) dimethylsulfoxide complex. <b>2008</b> , 75, 593-596	14
1951	Interaction of 1-cyanoethyl-5-chlorouracil with human and bovine serum albumins. <b>2008</b> , 75, 743-751	2
1950	Synthesis, spectroscopic studies of new water-soluble Co(II) and Cu(II) macrocyclic complexes of 4,15-bis(2-hydroxyethyl)-2,4,6,13,15,17-hexaazatricyclodocosane: their interaction studies with calf thymus DNA and guanosine 5' monophosphate. <b>2008</b> , 61, 265-278	38
1949	Study of the inactivation of copper, zinc superoxide dismutase by tetracycline analogues. <b>2008</b> , 17, 475-486	
1948	Thermodynamic analysis of fluorescence enhancement and Quenching theory equations. <b>2008</b> , 3, 254-261	6
1947	Spectroscopic investigation of the interaction between copper (II) 2-oxo-propionic acid salicyloyl hydrazone complex and bovine serum albumin. <b>2008</b> , 124, 269-82	6
1946	Study of the interaction of aglycon of daunorubicin with human serum albumin by spectroscopy and modeling. <b>2008</b> , 8, 1079-89	3
1945	Spectroscopic Investigation of the Interaction of BSA with Cationic Surfactants. <b>2008</b> , 31, 1265-1271	37
1944	Investigation of the Interaction between Adenosine and Human Serum Albumin by Fluorescent Spectroscopy and Molecular Modeling. <b>2008</b> , 26, 661-665	5
1943	Purification of Biliary Protein and Its Effect on Calcium Carbonate Mineralization. <b>2008</b> , 26, 1075-1078	4

1942	Study on the Interaction of Ketoconazole with Human and Bovine Serum Albumins by Fluorescence Spectroscopy. <b>2008</b> , 26, 2207-2215	5
1941	Synthesis, DNA-Binding and Photocleavage Studies of the Ruthenium(II) Complexes [Ru(phen)2(ppd)]2+ and [Ru(phen)(ppd)2]2+ (ppd=Pteridino[6,7-f] [1,10]phenanthroline-11,13(10H,12H)-dione, phen=1,10-Phenanthroline). <b>2008</b> , 91, 395-410	24
1940	Spectroscopic studies on the interaction of lanthanum(III) 2-oxo-propionic acid salicyloyl hydrazone complex with bovine serum albumin. <b>2008</b> , 23, 150-6	80
1939	Screening and mechanism study of components targeting DNA from the Chinese herb <i>Lonicera japonica</i> by liquid chromatography/mass spectrometry and fluorescence spectroscopy. <b>2008</b> , 22, 1164-72	20
1938	Cobalt complexes of terpyridine ligands: Crystal structure and nuclease activity. <b>2008</b> , 27, 3443-3450	58
1937	The effect of Cu2+ on the interaction between an antitumor drug mitoxantrone and human serum albumin. <b>2008</b> , 892, 20-24	41
1936	Studies of interaction of emodin and DNA in the presence of ethidium bromide by spectroscopic method. <b>2008</b> , 69, 123-9	124
1935	Interaction studies of DNA binding of ruthenium(II) mixed-ligand complexes: [Ru(phen)2(dtmi)]2+ and [Ru(phen)2(dtni)]2+. <b>2008</b> , 70, 171-6	32
1934	Study of interactions of anthraquinones with DNA using ethidium bromide as a fluorescence probe. <b>2008</b> , 70, 136-43	91
1933	Study on the interaction of puerarin with lysozyme by spectroscopic methods. <b>2008</b> , 70, 866-70	41
1932	2,5-di-[2-(3,5-bis(2-pyridylmethyl)amine -4-hydroxy-phenyl) ethylene] pyrazine zinc complex as fluorescent probe for labeling proteins. <b>2008</b> , 70, 1127-33	8
1931	Spectroscopy: the study of DNA cleavage by newly synthesized polydentate macrocyclic ligand and its copper(II) complexes. <b>2008</b> , 71, 496-501	12
1930	Spectroscopic studies on the interaction between nicotinamide and bovine serum albumin. <b>2008</b> , 71, 984-8	58
1929	Synthesis and spectroscopic DNA binding studies of [Ru(phen)2(tbtc)]2+ and [Ru(2,9-dmp)2(tbtc)]2+. <b>2008</b> , 71, 1181-7	4
1928	Study on the interaction mechanism between DNA and the main active components in <i>Georgi</i> . <b>2008</b> , 129, 799-810	173
1927	Experimental and density functional theory (DFT) studies on the DNA-binding trend and spectral properties of two new Ru(II) complexes: [Ru(L)2(mip)](ClO4)2 (L = 2,9-dmp and 4,7-dmp). <b>2008</b> , 693, 3387-3395 <sup>15</sup>	
1926	Interaction of anthracycline disaccharide with human serum albumin: investigation by fluorescence spectroscopic technique and modeling studies. <b>2008</b> , 48, 1029-36	32
1925	Characterization of doxorubicin binding site and drug induced alteration in the functionally important structural state of oxyhemoglobin. <b>2008</b> , 48, 1096-104	18



1924	Spectroscopic studies on binding of 1-phenyl-3-(coumarin-6-yl)sulfonylurea to bovine serum albumin. <b>2008</b> , 92, 98-102	55
1923	Photophysical and photochemical properties of tetrasulfonated silicon and germanium phthalocyanine in aqueous and non-aqueous media. <b>2008</b> , 197, 273-280	22
1922	Photosensitizing properties of octacarboxy metallophthalocyanines in aqueous medium and their interaction with bovine serum albumin. <b>2008</b> , 200, 396-401	28
1921	Early events in 2,4,6-trinitrotoluene (TNT) degradation by porphyrins: binding of TNT to porphyrin by hydrophobic and hydrogen bonds. <b>2008</b> , 154, 826-31	13
1920	Binding of V(IV) to human transferrin: potential relevance to anticancer activity of vanadocene dichloride. <b>2008</b> , 102, 146-9	30
1919	Synthesis, characterization, DNA-binding and spectral properties of complexes [Ru(L)4(dppz)] <sup>2+</sup> (L=Im and Melm). <b>2008</b> , 102, 330-41	112
1918	Synthesis, characterization, interaction with DNA and cytotoxicity in vitro of dinuclear Pd(II) and Pt(II) complexes dibridged by 2,2'-azanediyldibenzoic acid. <b>2008</b> , 102, 1958-64	97
1917	Spectrophotometric studies on the interaction between pazufloxacin mesilate and human serum albumin or lysozyme. <b>2008</b> , 128, 81-86	51
1916	Study on the binding of 2,3-diazabicyclo[2.2.2]oct-2-ene with bovine serum albumin by fluorescence spectroscopy. <b>2008</b> , 128, 1454-1458	171
1915	Study on the binding interaction between carnitine optical isomer and bovine serum albumin. <b>2008</b> , 43, 2140-8	82
1914	Interaction of colloidal TiO <sub>2</sub> with bovine serum albumin: A fluorescence quenching study. <b>2008</b> , 324, 176-180	47
1913	DNA cleavage by novel copper (II) complex and the role of beta-cyclodextrin in promoting cleavage. <b>2008</b> , 16, 1103-10	27
1912	Synthesis, micellar properties, DNA binding and antimicrobial studies of some surfactant-cobalt(III) complexes. <b>2008</b> , 136, 136-44	64
1911	Study of characterization and application on the binding between 5-iodouridine with HSA by spectroscopic and modeling. <b>2008</b> , 73, 464-472	30
1910	Characterization of the interaction between furosemide and bovine serum albumin. <b>2008</b> , 872, 190-196	42
1909	Spectroscopic investigation of the interaction between riboflavin and bovine serum albumin. <b>2008</b> , 875, 509-514	87
1908	Effect of temperature on the metronidazoleBSA interaction: Multi-spectroscopic method. <b>2008</b> , 876, 121-126	45
1907	Study of the interaction between icariin and human serum albumin by fluorescence spectroscopy. <b>2008</b> , 881, 132-138	253



1906	Experimental and theoretical studies on the DNA-binding and spectral properties of water-soluble complex [Ru(Melm)4(dpq)]2+. <b>2008</b> , 881, 156-166	66
1905	Characteristics of the isomeric flavonoids apigenin and genistein binding to hemoglobin by spectroscopic methods. <b>2008</b> , 891, 333-339	53
1904	Synthesis of Diquinolino[1,3,7,9]Tetraazacyclododecine-7, 15 (14H, 16H)-Dibenzene, and DNA Binding Studies of Macrocyclic Co(II), Cu(II) Complexes: As New Class of Antimicrobial Agent. <b>2008</b> , 45, 857-864	7
1903	Interaction of mitoxantrone with human serum albumin: spectroscopic and molecular modeling studies. <b>2008</b> , 35, 371-82	157
1902	The investigation of the interaction between 5-Iodouracil and human serum albumin by spectroscopic and modeling methods and determination of protein by synchronous fluorescence technique. <b>2008</b> , 90, 126-134	40
1901	Interaction of beta-lactoglobulin with resveratrol and its biological implications. <b>2008</b> , 9, 50-6	382
1900	DNA binding and cleaving activity of the new cleft molecule N,N'-Bis(guanidinoethyl)-2,6-pyridinedicarboxamide in the absence or in the presence of copper(II). <b>2008</b> , 19, 1840-8	45
1899	DNA binding, cleavage, and cytotoxic activity of the preorganized dinuclear zinc(II) complex of triazacyclononane derivatives. <b>2008</b> , 19, 490-8	110
1898	Molecular beacons: signalling nucleic acid probes, methods, and protocols. Preface. <b>2008</b> , 429, v-vii	5
1897	Synthesis, Characterization, and DNA Binding Studies of Ruthenium(II) Complexes with 2-Pyridyl-1H-anthra[1,2-d]imidazole-6,11-dione. <b>2008</b> , 61, 732	8
1896	Fluorescence Sensing and Imaging Using Pressure-Sensitive Paints and Temperature-Sensitive Paints. <b>2008</b> , 429-461	14
1895	Binding of daunorubicin to human serum albumin using molecular modeling and its analytical application. <b>2008</b> , 42, 221-8	29
1894	Fluorescence spectrometric study on the interactions of Isoprocarb and sodium 2-isopropylphenate with bovine serum albumin. <b>2008</b> , 76, 513-21	63
1893	Role of non-linear optics and multiple photon absorbance in enhancing sensitivity of enzyme-based chemical agent detectors. <b>2008</b> , 46, 18-24	10
1892	Exploring Mn-doped ZnS quantum dots for the room-temperature phosphorescence detection of enoxacin in biological fluids. <b>2008</b> , 80, 3832-7	218
1891	The Application of Two-dimensional Fluorescence Correlation Spectroscopy on the Interaction Between Bovine Serum Albumin and Paeonolum in the Presence of Fe(III). <b>2008</b> , 41, 385-392	12
1890	Static and dynamic interaction of a naturally occurring photochromic molecule with bovine serum albumin studied by UV-visible absorption and fluorescence spectroscopy. <b>2008</b> , 112, 16793-801	118
1889	Ruthenium(II) complexes of 2-(2'-pyridyl)naphthoimidazole: synthesis, characterization and DNA-binding studies. <b>2008</b> , 61, 3213-3224	23

1888	Dynamic fluctuation of proteins watched in real time. <b>2008</b> , 2, 297-301	1
1887	Interaction of bioactive components caffeoylquinic Acid derivatives in Chinese medicines with bovine serum albumin. <b>2008</b> , 56, 360-5	27
1886	Structures and interaction with DNA of ternary palladium(II) complexes: [Pd(Gly)(X)] (Gly=glycine; X=2,2'-bipyridine, 1,10-phenanthroline and 2,2'-bi-pyridylamine). <b>2008</b> , 56, 908-14	22
1885	Interaction of Bovine Serum Albumin with N-(4-Ethoxyphenyl)-N'-(4-Antipyrinyl)Thiourea (EPAT) Using Spectroscopies. <b>2008</b> , 55, 155-161	1
1884	Spectroscopic investigation of the interaction of bovine serum albumin with a novel cardiac agent V-09. <b>2008</b> , 22, 43-50	9
1883	Molecular dynamics simulation of Axillaridine-A: a potent natural cholinesterase inhibitor. <b>2009</b> , 24, 1101-5	2
1882	Spectroscopic Analysis of Hemolymph from the American Lobster ( <i>Homarus americanus</i> ). <b>2009</b> , 28, 905-912	9
1881	Synthesis, crystal structure, antibacterial activities, and DNA-binding studies of a new Bxamido-bridged binuclear copper(II) complex. <b>2009</b> , 62, 3795-3809	9
1880	Synthesis, interaction with double-helical DNA and biological activity of new Pt(II) and Pd(II) complexes with phenylglycine. <b>2009</b> , 62, 3425-3437	23
1879	Influence of magnesium ion on the binding of p53 DNA-binding domain to DNA-response elements. <b>2009</b> , 146, 77-85	10
1878	Synthesis, Characterization, DNA-Binding, and DNA-Photocleavage Properties of Ru(II) Complexes. <b>2009</b> , 62, 1646	2
1877	Multiple pathways guide oxygen diffusion into flavoenzyme active sites. <b>2009</b> , 106, 10603-8	141
1876	Spectroscopic Studies on the Binding of Bacteriophage Mequindox with Bovine Serum Albumin. <b>2009</b> , 27, 681-686	1
1875	Synthesis, Characterization and Biological Activity of an Intramolecular Stacking Zinc(II) Complex. <b>2009</b> , 27, 1285-1290	8
1874	Synthesis, X-ray Crystal Structures, DNA Binding and Nuclease Activities of Two Novel 1,2,4-Triazole-Based Cu(II) Complexes. <b>2009</b> , 2009, 5036-5045	29
1873	A fluorescence study of differently substituted 3-styrylindoles and their interaction with bovine serum albumin. <b>2009</b> , 24, 123-30	13
1872	Investigation of the interactions of quercetin and morin with trypsin. <b>2009</b> , 24, 355-62	22
1871	Interaction between felodipine and bovine serum albumin: fluorescence quenching study. <b>2010</b> , 25, 1-8	22

1870	Synthesis, characterization, and DNA-binding studies of mononuclear copper(II)-phenanthroline-tyrosine complex. <b>2009</b> , 6, 71-8	13
1869	Dinuclear copper(II) complexes of macrocyclic polyamines: synthesis, characterization, and DNA cleavage. <b>2009</b> , 6, 475-86	6
1868	A 1 : 2 copper(II)-tripeptide complex for DNA binding and cleavage agent under physiological conditions. <b>2009</b> , 6, 764-73	2
1867	The effect of an amino-acid bridge on binding affinity and cleavage efficiency of pyrenyl-macrocyclic polyamine conjugates toward DNA. <b>2009</b> , 6, 1273-82	3
1866	Synthesis and biophysical studies of bis-macrocyclic cobalt/copper(II) complexes having a pyridine spacer with CT DNA and 5'-GMP. <b>2009</b> , 6, 2275-89	7
1865	Spectral characters of Rhodamine B as a multi-information fluorescence probe for bovine serum albumins. <b>2009</b> , 138, 9-13	24
1864	Spectroscopic studies on the interaction between phycocyanin and bovine serum albumin. <b>2009</b> , 919, 210-214	64
1863	Study on the binding of colloidal zinc oxide nanoparticles with bovine serum albumin. <b>2009</b> , 934, 129-137	79
1862	DNA-binding and cleavage studies of chiral Mn(III) salen complexes. <b>2009</b> , 34, 231-237	26
1861	Effects of substituent on the DNA-binding of ruthenium(II) complexes containing asymmetric tridentate intercalative ligands. <b>2009</b> , 34, 297-305	11
1860	Synthesis, characterization, and bioactivities of copper complexes with N-substituted Di(picoyl)amines. <b>2009</b> , 34, 337-345	21
1859	Steady-state and time resolved fluorescence analysis on tyrosine-histidine model compounds. <b>2009</b> , 19, 257-66	18
1858	Thermodynamics, conformation and active sites of the binding of Zn-Nd hetero-bimetallic Schiff base to bovine serum albumin. <b>2009</b> , 19, 317-26	72
1857	A study of the interaction between malachite green and lysozyme by steady-state fluorescence. <b>2009</b> , 19, 783-91	44
1856	Study on the binding behavior of lysozyme with cephalosporin analogues by fluorescence spectroscopy. <b>2009</b> , 19, 801-8	26
1855	Synthesis, characterization, DNA-binding and antiproliferative activity of Nd(III) complexes with N-(nitrogen heterocyclic) norcantharidin acylamide acid. <b>2009</b> , 19, 857-66	14
1854	Interaction of curcumin and diacetylcurcumin with the lipocalin member beta-lactoglobulin. <b>2009</b> , 28, 117-23	57
1853	Analysis of binding interaction of curcumin and diacetylcurcumin with human and bovine serum albumin using fluorescence and circular dichroism spectroscopy. <b>2009</b> , 28, 189-96	86

1852	Spectroscopic Studies on the Interaction of Vitamin C with Bovine Serum Albumin. <b>2009</b> , 38, 15-25	55
1851	Interaction Between Levamisole Hydrochloride and Bovine Serum Albumin and the Influence of Alcohol: Spectra. <b>2009</b> , 38, 1183-1192	29
1850	Interactions of chromium (III) and chromium (VI) with bovine serum albumin studied by UV spectroscopy, circular dichroism, and fluorimetry. <b>2009</b> , 130, 172-84	56
1849	Synthesis, DNA-binding and photocleavage studies of Ru(II) complexes of phenyl-(4,5,9,14-tetraaza-benzo[b]triphenylen-1,1-yl)-methanone. <b>2009</b> , 121, 397-405	20
1848	Study of caffeine binding to human serum albumin using optical spectroscopic methods. <b>2009</b> , 52, 2205-2212	20
1847	A Novel 1,2,4-Triazole-based Cyclic Tetranuclear Nickel(II) Complex: Synthesis, Characterization, Magnetic Property and Nuclease Activity. <b>2009</b> , 635, 2297-2301	
1846	Spectrometric Studies on Interaction Between Metal Ions and DNA-Binding Domain of Tumor Suppressor Protein p53. <b>2009</b> , 37, 1131-1136	2
1845	Cholesterol oxidase: biochemistry and structural features. <b>2009</b> , 276, 6826-43	71
1844	Chloramphenicol binding to human serum albumin: Determination of binding constants and binding sites by steady-state fluorescence. <b>2009</b> , 929, 159-166	61
1843	Spectroscopic studies on the interaction between troxerutin and bovine serum albumin. <b>2009</b> , 937, 65-69	45
1842	Interaction of malachite green with bovine serum albumin: determination of the binding mechanism and binding site by spectroscopic methods. <b>2009</b> , 163, 1345-52	246
1841	Surfactant-cobalt(III) complexes: synthesis, critical micelle concentration (CMC) determination, DNA binding, antimicrobial and cytotoxicity studies. <b>2009</b> , 103, 117-27	82
1840	Pyrophosphate-bridged complexes with picomolar toxicity. <b>2009</b> , 103, 1254-64	45
1839	Nickel-quinolones interaction. Part 1 - Nickel(II) complexes with the antibacterial drug sparfloxacin: structure and biological properties. <b>2009</b> , 103, 1617-25	85
1838	DNA photocleavage activity of cobalt(III) polypyridyl complexes containing dpq ligand. <b>2009</b> , 103, 1658-65	13
1837	Study on the interaction between methyl blue and human serum albumin by fluorescence spectrometry. <b>2009</b> , 129, 169-175	45
1836	Binding of several anti-tumor drugs to bovine serum albumin: Fluorescence study. <b>2009</b> , 129, 541-547	113
1835	Spectroscopic studies on the binding of barbitol to bovine serum albumin. <b>2009</b> , 129, 650-655	16

1834	Interaction of human serum albumin with N-(4-ethoxyphenyl)-N'-(4-antipyrinyl) thiourea using spectroscopies and molecular modeling method. <b>2009</b> , 129, 734-740	28
1833	Interaction between titanium dioxide nanoparticles and human serum albumin revealed by fluorescence spectroscopy in the absence of photoactivation. <b>2009</b> , 129, 778-783	44
1832	Interaction of quercetin with ovalbumin: Spectroscopic and molecular modeling studies. <b>2009</b> , 129, 1048-1054	48
1831	Spectroscopic investigations on the mechanism of interaction of crystal violet with bovine serum albumin. <b>2009</b> , 919, 334-338	39
1830	Molecular interaction between phosphomolybdate acid and bovine hemoglobin. <b>2009</b> , 921, 156-162	32
1829	Spectroscopic investigation of the interaction between chrysin and bovine serum albumin. <b>2009</b> , 921, 346-351	87
1828	Characterization of the interaction between cationic Erbium (III) porphyrin complex with bovine serum albumin. <b>2009</b> , 934, 1-8	41
1827	Interaction of colloidal AgTiO <sub>2</sub> nanoparticles with bovine serum albumin. <b>2009</b> , 28, 157-161	53
1826	Synthesis, photophysical and photochemical studies of water soluble cationic zinc phthalocyanine derivatives. <b>2009</b> , 28, 416-424	32
1825	Photoinduced interactions between colloidal TiO <sub>2</sub> nanoparticles and calf thymus-DNA. <b>2009</b> , 28, 1374-1378	69
1824	A new luminescent sulfate bridged dimeric copper(II) complex with DNA binding and SO <sub>2</sub> fixation ability: Synthesis and structure. <b>2009</b> , 28, 3863-3871	19
1823	Human serum albumin interaction with oxaliplatin studied by capillary isoelectric focusing with the whole column imaging detection and spectroscopic method. <b>2009</b> , 50, 570-5	32
1822	Studies on the interaction between imidacloprid and human serum albumin: spectroscopic approach. <b>2009</b> , 94, 183-90	136
1821	Specific interaction of 4'-O-( $\alpha$ -l-Cladinosyl) daunorubicin with human serum albumin: The binding site II on HSA molecular using spectroscopy and modeling. <b>2009</b> , 95, 162-9	26
1820	Spectroscopic studies on the interaction of hypocrellin A and hemoglobin. <b>2009</b> , 72, 151-5	45
1819	Synthesis, characterization, DNA interaction and cytotoxic activities of copper complexes with ethyl 2-[bis(2-pyridylmethyl)amino]propionate. <b>2009</b> , 72, 648-53	16
1818	Spectroscopic studies on the interaction of Congo Red with bovine serum albumin. <b>2009</b> , 72, 907-14	115
1817	Synthesis of 1-phenyl-3-biphenyl-5-(N-ethylcarbazole-3-yl)-2-pyrazoline and its use as DNA probe. <b>2009</b> , 73, 221-5	24

1816	Study on the interaction between antibacterial drug and bovine serum albumin: a spectroscopic approach. <b>2009</b> , 73, 841-5	80
1815	Spectroscopic investigation of interaction between mangiferin and bovine serum albumin. <b>2009</b> , 73, 936-41	90
1814	Study on the interaction between methyl violet and bovine serum albumin by spectral analyses. <b>2009</b> , 74, 526-31	25
1813	Binding interaction of quinclorac with bovine serum albumin: a biophysical study. <b>2009</b> , 74, 781-7	107
1812	Synthesis, characterization and DNA-binding studies of ruthenium(II) mixed-ligand complexes containing dipyrrodo[1,2,5]oxadiazolo[3,4-b]quinoxaline. <b>2009</b> , 74, 896-901	33
1811	Characterization of the interaction between 8-bromoadenosine with human serum albumin and its analytical application. <b>2009</b> , 74, 964-71	39
1810	Synthesis of new heterometallic macromolecules: their DNA binding, cleavage activity and in vitro model electrochemotherapy study. <b>2009</b> , 74, 1152-9	6
1809	Interaction of colloidal TiO <sub>2</sub> with human serum albumin: A fluorescence quenching study. <b>2009</b> , 333, 91-95	38
1808	Spectroscopic studies on the interaction of colloidal capped CdS nanoparticles with bovine serum albumin. <b>2009</b> , 72, 167-72	127
1807	A study of the binding of C.I. Mordant Red 3 with bovine serum albumin using fluorescence spectroscopy. <b>2009</b> , 82, 65-70	84
1806	The binding of C.I. Acid Red 2 to human serum albumin: Determination of binding mechanism and binding site using fluorescence spectroscopy. <b>2009</b> , 83, 249-257	55
1805	Synthesis and characterization of dinuclear macrocyclic cobalt(II), copper(II) and zinc(II) complexes derived from 2,2,2'(),2'()-S,S[bis(bis-N,N-2-thiobenzimidazolyloxalato-1,2-ethane)]: DNA binding and cleavage studies. <b>2009</b> , 44, 834-44	173
1804	DNA binding and antimicrobial studies of polymer-copper(II) complexes containing 1,10-phenanthroline and L-phenylalanine ligands. <b>2009</b> , 44, 1878-83	85
1803	Fluorescence spectroscopic investigation of the interaction between chloramphenicol and lysozyme. <b>2009</b> , 44, 4083-9	82
1802	A novel strategy for rapid real-time chiral discrimination of enantiomers using serum albumin functionalized QCM biosensor. <b>2009</b> , 25, 488-92	39
1801	DNA binding, cytotoxicity, apoptotic inducing activity, and molecular modeling study of quercetin zinc(II) complex. <b>2009</b> , 17, 614-20	165
1800	Characterization of the interaction between 2'-deoxyuridine and human serum albumin. <b>2009</b> , 344, 642-7	22
1799	Synthesis, crystal structure, and photoluminescence of zinc complex [Zn(Qina) <sub>2</sub> (DMSO) <sub>2</sub> ] · 2DMSO. <b>2009</b> , 35, 874-878	2

1798	Synthesis, DNA-binding and antiproliferative activity of N-(Nitrogen heterocyclic) norcantharidin acylamide acid. <b>2009</b> , 7, 569-575	4
1797	Fluorescence intensities and lifetimes of aromatic hydrocarbons in cyclohexane solution: evidence of contact charge-transfer interactions with oxygen. <b>2009</b> , 113, 1049-59	19
1796	Cytotoxicity of the traditional chinese medicine (TCM) plumbagin in its copper chemistry. <b>2009</b> , 10824-33	48
1795	Interaction Between Isoquercitrin and Bovine Serum Albumin by a Multispectroscopic Method. <b>2009</b> , 42, 210-216	11
1794	Micellization Behaviour, DNA Binding, Antimicrobial, and Cytotoxicity Studies of Surfactant - Cobalt(III) Complexes Containing Di- and Tetramine Ligands. <b>2009</b> , 62, 165	11
1793	The effect of rutin on arginine kinase: inhibition kinetics and thermodynamics merging with docking simulation. <b>2009</b> , 44, 149-55	25
1792	Molecular interaction of human serum albumin with paracetamol: spectroscopic and molecular modeling studies. <b>2009</b> , 45, 129-34	69
1791	Affinity and specificity of levamlodipine-human serum albumin interactions: insights into its carrier function. <b>2009</b> , 96, 3917-25	28
1790	Divalent later transition metal complexes of the traditional chinese medicine (TCM) liriodenine: coordination chemistry, cytotoxicity and DNA binding studies. <b>2009</b> , 10813-23	47
1789	Oxidative DNA cleavage by Cu(II) complexes of 1,10-phenanthroline-5,6-dione. <b>2009</b> , 62, 2182-2192	22
1788	Fluorescence Spectrometric Study on the Interactions of Terazosin Hydrochloride and Prazosin Hydrochloride with Bovine Serum Albumin Using Warfarin and Diazepam as Site Markers. <b>2009</b> , 42, 2693-2710	3
1787	Potential new inorganic antitumour agents from combining the anticancer traditional Chinese medicine (TCM) liriodenine with metal ions, and DNA binding studies. <b>2009</b> , 262-72	52
1786	Synthesis, structure, magnetic properties and DNA cleavage of binuclear Cu(II) Schiff-base complexes. <b>2009</b> , 2374-82	29
1785	DNA binding and cleavage activity of quercetin nickel(II) complex. <b>2009</b> , 4722-8	36
1784	Ruthenium(II) complexes of bipyridine-glycoluril and their interactions with DNA. <b>2009</b> , 20, 447-59	84
1783	Synthesis, X-ray crystal structures, magnetism, and DNA cleavage properties of copper(II) complexes with 1,4-tpbd ligand. <b>2009</b> , 3574-83	43
1782	Thermodynamic investigation of manganese(III) 5-(1-(4-carboxybutyl)pyridinium-4-yl) 10,15,20-tris-(1-methylpyridinium-4-yl)porphyrin with calf thymus DNA. <b>2009</b> , 13, 964-972	3
1781	Synthesis, Crystal Structure and DNA-binding Properties of a Nickel(II) Complex with 2, 6-Bis(2-benzimidazolyl)pyridine. <b>2010</b> , 65, 1334-1340	15



1780	Synthesis and characterization of glucose-bis(pyrazole)-Cu(II)/Ni(II) complexes and their in vitro DNA binding studies. <b>2010</b> , 58, 318-25	3
1779	Investigation on the interaction of prulifloxacin with human serum albumin: a spectroscopic analysis. <b>2010</b> , 58, 582-6	6
1778	Synthesis, Crystal Structure, and DNA-Binding Studies of a Ni(II) Complex with the Tris(N-methylbenzimidazol-2-ylmethyl)amine Ligand. <b>2010</b> , 65, 1341-1348	3
1777	Synthesis of carbohydrate-conjugate heterobimetallic Cu(II)-Sn(2)(IV) and Zn(II)-Sn(2)(IV) complexes; their interactions with CT DNA and nucleotides; DNA cleavage, in-vitro cytotoxicity. <b>2010</b> , 45, 4797-806	27
1776	Crystal structures, DNA interaction and antiproliferative activities of the cobalt(II) and zinc(II) complexes of 2-amino-1,3,4-thiadiazole with demethylcantharate. <b>2010</b> , 363, 3399-3406	25
1775	Comparative nuclease and anti-cancer properties of the naturally occurring malabaricones. <b>2010</b> , 18, 7043-51	23
1774	Fluorescence studies of interaction between flavonol p-coumaroylglucoside tiliroside and bovine serum albumin. <b>2010</b> , 77, 548-53	28
1773	Study of interaction between kaempferol $\text{Eu}^{3+}$ complex and DNA with the use of the Neutral Red dye as a fluorescence probe. <b>2010</b> , 144, 239-246	73
1772	A study on the interaction between 5-Methyluridine and human serum albumin using fluorescence quenching method and molecular modeling. <b>2010</b> , 16, 255-62	28
1771	In vitro monitoring of picogram levels of risperidone in human urine via luminol/lysozyme flow injection chemiluminescence. <b>2010</b> , 171, 437-440	4
1770	Interaction of bis-aryl functionalized molecules with nucleosides and nucleic acids. <b>2010</b> , 53, 103-112	5
1769	Spectroscopic studies on the binding of cobalt(II) 1,10-phenanthroline complex to bovine serum albumin. <b>2010</b> , 135, 136-52	43
1768	Basic principles of fluorescence and energy transfer applied to real-time PCR. <b>2010</b> , 44, 168-76	4
1767	Spectroscopic investigation on the toxicological interactions of 4-aminoantipyrine with bovine hemoglobin. <b>2010</b> , 20, 381-7	39
1766	Interaction of imidacloprid with hemoglobin by fluorescence and circular dichroism. <b>2010</b> , 20, 753-62	40
1765	Synthesis, Supramolecular Architecture and DNA Binding Studies of a Novel Heterotrinnuclear $\text{Fe}^{\text{III}}/\text{Co}^{\text{II}}/\text{Fe}^{\text{III}}$ Complex: $[\text{Co}(\text{phen})_2][\text{Fe}(\text{phen})(\text{CN})_4]2\cdot 4\text{H}_2\text{O}$ (phen = 1,10-phenanthroline). <b>2010</b> , 20, 168-176	4
1764	A New Nitrosyl-bridged Bimetallic Nitroprusside Complex: Synthesis, Crystal Structure, Supramolecular Self-assembly and Spectral Behavior of Interactions with DNA. <b>2010</b> , 20, 657-665	2
1763	Spectroscopic Studies on the Interaction of 2,4-Dichlorophenol with Bovine Serum Albumin. <b>2010</b> , 39, 495-510	16



1762	Effect of Hydrogenation on Ring C of Flavonols on Their Affinity for Bovine Serum Albumin. <b>2010</b> , 39, 533-542	23
1761	Study on the Interaction of Raloxifene and Bovine Serum Albumin by the Tachiya Model. <b>2010</b> , 39, 1187-1199	8
1760	The interaction of lysozyme with caffeine, theophylline and theobromine in solution. <b>2010</b> , 37, 3127-36	40
1759	Synthesis, DNA interaction and antitumor activities of cobalt(II) and iron(III) complexes of 2-[bis(2-pyridylmethyl)amino] propanic acid. <b>2010</b> , 35, 103-109	4
1758	Synthesis, DNA interaction and photocleavage studies of ruthenium(II) complexes with 2-(pyrrole) imidazo[4,5-f]-1,10-phenanthroline as an intercalative ligand. <b>2010</b> , 35, 713-720	15
1757	DNA interactions of ruthenium(II) complexes with a polypyridyl ligand: 2-(2, 5-dimethoxyphenyl)-1H-imidazo[4,5-f]1,10-phenanthroline. <b>2010</b> , 35, 1027-1034	10
1756	Studies on the interaction of aminocarb with calf thymus DNA by spectroscopic methods. <b>2010</b> , 98, 206-212	66
1755	Discrimination between two possible reaction sequences that create potential risk of generation of deleterious radicals by cytochrome bc <sub>1</sub> Implications for the mechanism of superoxide production. <b>2010</b> , 1797, 1820-7	51
1754	Impact of the Aliphatic Dicarboxylate Chain of Novel Dinuclear Palladium(II) Complexes: Synthesis and Biological Evaluation. <b>2010</b> , 28, 213-220	2
1753	Synthesis, Crystal Structure, and DNA-Binding Properties of a New Cd(II) Complex Involving 2-(2-1H-Imidazolyl)-1H-Imidazolium Ligand. <b>2010</b> , 28, 759-765	4
1752	Binding Studies of a Schiff Base Compound Containing a 1,2,4-Triazole Ring with Bovine Serum Albumin Using Spectroscopic Methods. <b>2010</b> , 28, 1915-1922	4
1751	Synthesis, Crystal Structure, DNA Binding, and Hydrolytic Cleavage Activity of a Manganese(II) Complex. <b>2010</b> , 2010, 3109-3116	13
1750	Synthesis, structure and DNA cleavage of mononuclear Fe(III) complexes with 1,2,4-triazole-base ligand. <b>2010</b> , 24, 636-640	12
1749	Pharmacokinetic study on the mechanism of interaction of sulfacetamide sodium with bovine serum albumin: a spectroscopic method. <b>2010</b> , 31, 120-8	10
1748	Which model based on fluorescence quenching is suitable to study the interaction between trans-resveratrol and BSA?. <b>2010</b> , 75, 299-304	74
1747	Probing the binding of fluoxetine hydrochloride to human serum albumin by multispectroscopic techniques. <b>2010</b> , 75, 314-9	29
1746	Synthesis, characterization, bioactivities of copper complexes with N-allyl di(picoly)amine. <b>2010</b> , 75, 355-60	14
1745	Spectrometric studies on the interaction of fluoroquinolones and bovine serum albumin. <b>2010</b> , 75, 547-52	48

1744	Investigation on interaction of prulifloxacin with pepsin: a spectroscopic analysis. <b>2010</b> , 75, 1024-9	40
1743	Identification of pyrazosulfuron-ethyl binding affinity and binding site subdomain IIA in human serum albumin by spectroscopic methods. <b>2010</b> , 75, 1088-94	35
1742	DNA binding and photocleavage specificities of a group of tricationic metalloporphyrins. <b>2010</b> , 75, 1108-14	40
1741	Investigation of the interactions of lysozyme and trypsin with biphenol A using spectroscopic methods. <b>2010</b> , 75, 1130-7	55
1740	Studying the interaction between CdTe quantum dots and Nile blue by absorption, fluorescence and resonance Rayleigh scattering spectra. <b>2010</b> , 75, 1571-6	17
1739	Spectroscopic investigation on the toxic interactions of Ni <sup>2+</sup> with bovine hemoglobin. <b>2010</b> , 76, 155-60	36
1738	Interaction of alpinetin with bovine serum albumin: Probing of the mechanism and binding site by spectroscopic methods. <b>2010</b> , 76, 410-7	79
1737	Nickel-quinolones interaction. Part 2--interaction of nickel(II) with the antibacterial drug oxolinic acid. <b>2010</b> , 104, 161-70	59
1736	A novel 1,2,4-triazole-based copper(II) complex: synthesis, characterization, magnetic property and nuclease activity. <b>2010</b> , 104, 171-9	110
1735	Four new copper(II) complexes with 1,3-tpbd ligand: Synthesis, crystal structures, magnetism, oxidative and hydrolytic cleavage of pBR322 DNA. <b>2010</b> , 104, 431-41	40
1734	Water-soluble cationic gallium(III) and indium(III) phthalocyanines for photodynamic therapy. <b>2010</b> , 104, 297-309	99
1733	Metal complexes of the third-generation quinolone antimicrobial drug sparfloxacin: Structure and biological evaluation. <b>2010</b> , 104, 455-66	77
1732	Nickel-quinolones interaction: part 3--Nickel(II) complexes of the antibacterial drug flumequine. <b>2010</b> , 104, 740-9	47
1731	Hydrolytic cleavage of double-strand DNA by the water-soluble dicobalt(III) complexes of 1,4,7-triazacyclononane-N-acetate. <b>2010</b> , 104, 993-9	28
1730	Synthesis, anticancer activities, interaction with DNA and mitochondria of manganese complexes. <b>2010</b> , 104, 1141-7	66
1729	Study of interaction between protein and main active components in Citrus aurantium L. by optical spectroscopy. <b>2010</b> , 130, 270-279	32
1728	Luminescence quenching effect for the interaction of prulifloxacin with trypsin in Britton-Robinson buffer solution system. <b>2010</b> , 130, 360-364	17
1727	Studies on interaction between flavonoids and bovine serum albumin by spectral methods. <b>2010</b> , 130, 637-644	80

1726	Spectroscopic studies on the interaction and sonodynamic damage of neutral red (NR) to bovine serum albumin (BSA). <b>2010</b> , 130, 1036-1043	40
1725	Spectroscopic investigation of the interaction between thiourea-zinc complex and serum albumin. <b>2010</b> , 130, 1280-1284	20
1724	Spectroscopic studies on the interaction between disperse blue SBL and bovine serum albumin. <b>2010</b> , 130, 1384-1389	20
1723	Synthesis, characterization and DNA-binding studies of chiral ruthenium(II) complexes with 2-(5-nitrofuranyl)-1H-imidazo[4,5-f][1,10]phenanthroline. <b>2010</b> , 963, 153-159	20
1722	Binding of amphiphilic p(DMAEMA79-b-AZOM5) diblock copolymer with bovine serum albumin by spectroscopic investigation with warfarin and ibuprofen as site markers. <b>2010</b> , 979, 152-159	11
1721	Characterization of interaction and the effect of carbamazepine on the structure of human serum albumin. <b>2010</b> , 53, 660-6	72
1720	Assisted sonodynamic damage of bovine serum albumin by metronidazole under ultrasonic irradiation combined with photosensitive antitumor drug-Amsacrine. <b>2010</b> , 98, 61-8	13
1719	Interaction between a potent corticosteroid drug - dexamethasone with bovine serum albumin and human serum albumin: a fluorescence quenching and fourier transformation infrared spectroscopy study. <b>2010</b> , 100, 147-59	175
1718	Design and synthesis of heterobimetallic topoisomerase I and II inhibitor complexes: in vitro DNA binding, interaction with 5'-GMP and 5'-TMP and cleavage studies. <b>2010</b> , 101, 37-46	40
1717	Synthesis, photophysical and photochemical properties of quinoline substituted zinc (II) phthalocyanines and their quaternized derivatives. <b>2010</b> , 211, 32-41	46
1716	A new blue luminescent dichlorido-bridged dinuclear copper(II) complex with DNA binding and cytotoxic activities: Synthesis, structure and DFT studies. <b>2010</b> , 363, 2752-2761	42
1715	Spectroscopic investigations of pentobarbital interaction with human serum albumin. <b>2010</b> , 963, 122-129	58
1714	Spectroscopic investigations on the binding of dibazol to bovine serum albumin. <b>2010</b> , 970, 128-133	63
1713	Binding of phenanthrene to extracellular polymeric substances (EPS) from aerobic activated sludge: a fluorescence study. <b>2010</b> , 80, 103-6	67
1712	Zinc(II) complexes of the second-generation quinolone antibacterial drug enrofloxacin: Structure and DNA or albumin interaction. <b>2010</b> , 18, 2678-85	108
1711	Interaction of 3'-azido-3'-deamino daunorubicin with human serum albumin: investigation by fluorescence spectroscopy and molecular modeling methods. <b>2010</b> , 20, 6899-904	38
1710	Synthesis, crystal structure, DNA-binding and cytotoxicity in vitro of novel cis-Pt(II) and trans-Pd(II) pyridine carboxamide complexes. <b>2010</b> , 20, 7250-4	35
1709	Synthesis, characterization, interaction with DNA and cytotoxicity in vitro of the complexes [M(dmphen)(CO <sub>3</sub> )]·H <sub>2</sub> O [M=Pt(II), Pd(II)]. <b>2010</b> , 45, 311-6	97

1708	Synthesis, characterization, interaction with DNA and cytotoxicity in vitro of novel pyridine complexes with Zn(II). <b>2010</b> , 45, 4531-8	29
1707	A V-shaped ligand 2,6-bis(2-benzimidazolyl)pyridine and its picrate Mn(II) complex: synthesis, crystal structure and DNA-binding properties. <b>2010</b> , 45, 5324-30	37
1706	An unexpected oxovanadium(IV) complex with in situ generated lactone ligand: Synthesis, crystal structure and DNA-binding property. <b>2010</b> , 13, 1166-1169	27
1705	Ligand-induced changes in the conformational stability and flexibility of glutamate dehydrogenase and their role in catalysis and regulation. <b>2010</b> , 19, 1820-9	13
1704	Thermodynamic investigation of a new water-soluble porphyrin with calf thymus DNA. <b>2010</b> , 1, 307-311	5
1703	Interaction of 2-(9H-purin-6-ylamino)-4-(methylthio) butanoic acid with human serum albumin: fluorescence and modeling studies. <b>2010</b> , 21, 1603-17	
1702	Synthesis, characterization, and DNA binding of ruthenium(II) complexes with 2-benzo[b]furan-2-yl-1H-imidazo[4,5f][1,10]phenanthroline as an intercalative ligand. <b>2010</b> , 63, 3676-3687	13
1701	A new Phenol Red-modified porphyrin as efficient protein photocleaving agent. <b>2010</b> , 12, 12229-36	10
1700	O <sub>2</sub> reactivity of flavoproteins: dynamic access of dioxygen to the active site and role of a H <sup>+</sup> relay system in D-amino acid oxidase. <b>2010</b> , 285, 24439-46	49
1699	Study on the Interaction between Theasinesin and Bovine Serum Albumin by Fluorescence Method. <b>2010</b> , 43, 289-299	8
1698	Reaction of the Anticancer Organometallic Ruthenium Compound, [(eta-p-Cymene)Ru(ATSC)Cl]PF <sub>6</sub> with Human Serum Albumin. <b>2010</b> , 2010, 1-7	18
1697	SPECTROSCOPIC STUDY OF PROPOFOL BINDING TO HUMAN SERUM ALBUMIN. <b>2010</b> , 05, 209-226	3
1696	Nucleic Acid (Calf Thymus-DNA, Yeast tRNA) Binding and Cytotoxic Properties of a Dinuclear (Ru,Co) Metal Polypyridyl Complex. <b>2010</b> , 63, 1453	4
1695	Biological evaluation of non-steroidal anti-inflammatory drugs-cobalt(II) complexes. <b>2010</b> , 39, 4517-28	195
1694	Characterization of PicoGreen interaction with dsDNA and the origin of its fluorescence enhancement upon binding. <b>2010</b> , 99, 3010-9	117
1693	New insights into the behavior of bovine serum albumin adsorbed onto carbon nanotubes: comprehensive spectroscopic studies. <b>2010</b> , 114, 5625-31	352
1692	Absorption and fluorescence study of the interaction between (2-hydroxy-benzimido)ethyl-n-hexylselenide and bovine serum albumin. <b>2004</b> , 56, 1127-33	1
1691	Study of the interaction between ruthenium(II) complexes and CT-DNA: synthesis, characterisation, photocleavage and antimicrobial activity studies. <b>2010</b> , 22, 629-643	8

1690	Synthesis, characterization, DNA interaction, and cytotoxicity of novel Pd(II) and Pt(II) complexes. <b>2010</b> , 25, 557-64	11
1689	Biological relevance of the interaction between procyanidins and trypsin: a multitechnique approach. <b>2010</b> , 58, 11924-31	39
1688	Beta-lactoglobulin/folic acid complexes: formation, characterization, and biological implication. <b>2010</b> , 114, 6707-12	135
1687	Impact of the carbon chain length of novel palladium(II) complexes on interaction with DNA and cytotoxic activity. <b>2010</b> , 49, 3261-70	61
1686	Investigation on the interaction between tamoxifen and human holo-transferrin: determination of the binding mechanism by fluorescence quenching, resonance light scattering and circular dichroism methods. <b>2010</b> , 47, 558-69	132
1685	Probing the molecular mechanism of C.I. Acid red 73 binding to human serum albumin. <b>2010</b> , 30, 45-51	12
1684	Synthesis, characterization, and DNA-binding of [Co(phen)2(CPIA)] <sup>3+</sup> , [Co(phen)2(BIP)] <sup>3+</sup> , and [Co(phen)2(CIP)] <sup>3+</sup> . <b>2010</b> , 63, 1570-1581	6
1683	Copper inverse-9-metallacrown-3 compounds interacting with DNA. <b>2010</b> , 39, 765-75	91
1682	Circular dichroism and fluorescence spectroscopic study on the interaction of bisdemethoxycurcumin and diacetylbisdemethoxycurcumin with human serum albumin. <b>2010</b> , 88, 155-163	24
1681	Synthesis, characterization, and DNA band of a five-coordinate cadmium(II) complex with 1,3-bis(1-benzylbenzimidazol-2-yl)-2-thiapropane. <b>2010</b> , 63, 4113-4122	16
1680	Synthesis, DNA binding, photo-induced DNA cleavage and cytotoxicity studies of europium(III) complexes. <b>2010</b> , 39, 10637-43	39
1679	Self-association of ruthenium(II) polypyridyl complexes and their interactions with calf thymus DNA. <b>2010</b> , 49, 4843-53	46
1678	Interaction Between Garcigenin and DNA by Spectrophotometry and Fluorescence Spectroscopy. <b>2010</b> , 43, 28-35	8
1677	Synthesis and DNA cleavage activity of triazacrown-anthraquinone conjugates. <b>2010</b> , 34, 2654	16
1676	Efficient double-strand cleavage of DNA mediated by Zn(II)-based artificial nucleases. <b>2011</b> , 40, 5617-24	31
1675	Synthesis, crystal structure, DNA binding, and DNA cleavage of a zinc complex containing N,N-bis(2-pyridylmethyl)amine. <b>2011</b> , 64, 2480-2488	4
1674	Study on the binding of propiconazole to protein by molecular modeling and a multispectroscopic method. <b>2011</b> , 59, 8507-12	24
1673	Solvatochromism and fluoride sensing of thienyl-containing benzodiazaboroles. <b>2011</b> , 13, 9301-10	24

- 1672 Synthesis, characterization, antimicrobial, DNA binding, and oxidative cleavage activities of Cu(II) and Co(II) complexes with 2-(2-hydroxybenzylideneamino)isoindoline-1,3-dione. **2011**, 64, 699-714 16
- 1671 Synthesis, Characterization, and DNA-Binding of Two Copper(II) Complexes with 1,1,1-Tris(4-(2-benzimidazole)-2-oxa-butyl)propane and 1,1,1-Tris(4-(2-benzimidazole)-2-oxa-butyl)ethane. **2011**, 41, 657-663 1
- 1670 Comparative studies on the interaction of genistein, 8-chlorogenistein, and 3',8-dichlorogenistein with bovine serum albumin. **2011**, 59, 7506-13 81
- 1669 Lipid interacting regions in phosphate stress glycosyltransferase atDGD2 from Arabidopsis thaliana. *Biochemistry*, **2011**, 50, 4451-66 3.2 11
- 1668 Interaction of human serum album and C aggregates in solution. **2011**, 12, 4964-74 42
- 1667 Interaction with DNA and different effect on the nucleus of cancer cells for copper(II) complexes of N-benzyl di(pyridylmethyl)amine. **2011**, 40, 4414-20 15
- 1666 Synthesis, characterization, interaction with DNA, and cytotoxic effect in vitro of new mono- and dinuclear Pd(II) and Pt(II) complexes with benzo[d]thiazol-2-amine as the primary ligand. **2011**, 50, 4732-41 57
- 1665 Investigation on the interaction between ilaprazole and bovine serum albumin without or with different C-ring flavonoids from the viewpoint of food-drug interference. **2011**, 59, 8499-506 60
- 1664 A synthetic icosahedral DNA-based host-cargo complex for functional in vivo imaging. **2011**, 2, 339 187
- 1663 A set of highly water-soluble tetraethyleneglycol-substituted Zn(II) phthalocyanines: synthesis, photochemical and photophysical properties, interaction with plasma proteins and in vitro phototoxicity. **2011**, 40, 4067-79 108
- 1662 In vitro binding studies of organotin(IV) complexes of 1,2-bis(1H-benzimidazol-2-yl)ethane-1,2-diol with CT-DNA and nucleotides (5'-GMP and 5'-TMP): Effect of the ancillary ligand on the binding propensity. **2011**, 696, 3836-3845 8
- 1661 DNA Binding and Photocleavage Study of Cationic Metalloporphyrins by Spectral Methods. **2011**, 44, 211-220
- 1660 Study on the Interaction of Pentachlorophenol with Urease in Aqueous Solution by Multiple Spectroscopic Techniques. **2011**, 40, 458-469 12
- 1659 DNA binding and photo-induced DNA cleavage activity of Elsinochrome A in visible light. **2011**, 26, 289-296
- 1658 Interaction betweenPlectranthus barbatuserbal tea components and human serum albumin and lysozyme: Binding and activity studies. **2011**, 26, 79-92 9
- 1657 A Schiff base N-(2-hydroxylacetophenone)-3-oxapentane-1,5-diamine and its copper(II) coordination polymer: synthesis, crystal structure, antioxidation, and DNA-binding properties. **2011**, 64, 3454-3464 6
- 1656 Investigation by fluorescence spectroscopy, resonance rayleigh scattering and zeta potential approaches of the separate and simultaneous binding effect of Paclitaxel and estradiol with human serum albumin. **2011**, 18, 935-51 16
- 1655 Synthesis, Crystal Structure and DNA-Binding Properties of a Cadmium(II) Complex with 2,6-Bis(N-methylbenzimidazol-2-yl)pyridine. **2011**, 66, 1049-1055 1

1654	Analysis of Binding Interaction between Captopril and Human Serum Albumin. <b>2011</b> , 02, 250-257	20
1653	Penetration of short fluorescence-labeled peptides into the nucleus in HeLa cells and in vitro specific interaction of the peptides with deoxyribooligonucleotides and DNA. <b>2011</b> , 76, 1210-9	32
1652	Advances on the interaction of polypyridyl Cr(III) complexes with transporting proteins and its potential relevance in photodynamic therapy. <b>2011</b> , 105, 1299-305	19
1651	Synthesis, structure, DNA binding and cleavage properties of ternary amino acid Schiff base-phen/bipy Cu(II) complexes. <b>2011</b> , 105, 1603-12	123
1650	Non-steroidal anti-inflammatory drug diflunisal interacting with Cu(II). Structure and biological features. <b>2011</b> , 105, 1645-55	65
1649	Binding of oxindole-Schiff base copper(II) complexes to DNA and its modulation by the ligand. <b>2011</b> , 105, 1692-703	45
1648	Fluorescence spectrometric studies on the binding of puerarin to human serum albumin using warfarin, ibuprofen and digitoxin as site markers with the aid of chemometrics. <b>2011</b> , 131, 2716-2724	45
1647	De novo design of chiral organotin cancer drug candidates: validation of enantiopreferential binding to molecular target DNA and 5'-GMP by UV-visible, fluorescence, (1)H and (31)P NMR. <b>2011</b> , 105, 167-74	15
1646	A V-shaped ligand 1,3-bis(1-methylbenzimidazol-2-yl)-2-oxapropane and its Cu(II) complex: synthesis, crystal structure, antioxidation and DNA-binding properties. <b>2011</b> , 105, 190-7	20
1645	Tetra-2-[2-(dimethylamino)ethoxy]ethoxy substituted zinc phthalocyanines and their quaternized analogues: Synthesis, characterization, photophysical and photochemical properties. <b>2011</b> , 222, 87-96	52
1644	Investigation of the binding of Salvianolic acid B to human serum albumin and the effect of metal ions on the binding. <b>2011</b> , 81, 645-52	33
1643	Analysis of binding interaction between (-)-epigallocatechin (EGC) and $\beta$ -lactoglobulin by multi-spectroscopic method. <b>2011</b> , 82, 164-8	67
1642	Study on the interaction of amino phosphine ester derivatives with DNA by spectroscopy, modeling and calorimetry. <b>2011</b> , 82, 247-52	6
1641	Synthesis, spectroscopic characterization and DNA nuclease activity of Cu(II) complexes derived from pyrazolone based NSO-donor Schiff base ligands. <b>2011</b> , 84, 256-68	37
1640	Does azurin bind to the transactivation domain of p53? A Trp phosphorescence study. <b>2011</b> , 159, 287-93	9
1639	Carbohydrate-conjugate heterobimetallic complexes: synthesis, DNA binding studies, artificial nuclease activity and in vitro cytotoxicity. <b>2011</b> , 346, 2886-95	18
1638	Studies of Interaction between Ergosta-4,6,8(14),22-tetraen-3-one (Ergone) and Human Serum Albumin by Molecular Spectroscopy and Modeling. <b>2011</b> , 58, 602-610	6
1637	Mixed-ligand manganese(II)-phenolate complexes: study of DNA cleavage, cytotoxic activity, and induction of apoptosis. <b>2011</b> , 64, 3992-4005	7



1636	Spectral study of coumarin-3-carboxylic acid interaction with human and bovine serum albumins. <b>2011</b> , 9, 624-634	4
1635	DNA interactions of ruthenium(II) & cobalt(III) phenanthroline and bipyridine complexes with a planar aromatic ligand 2-(2-fluoronyl)1H-imidazo[4,5-f][1,10-Phenanthroline]. <b>2011</b> , 70, 187-195	12
1634	Study on the interaction of an anthracycline disaccharide with DNA by spectroscopic techniques and molecular modeling. <b>2011</b> , 21, 409-14	37
1633	Synthesis, crystal structure, interaction with BSA and antibacterial activity of La(III) and Sm(III) complexes with enrofloxacin. <b>2011</b> , 21, 813-23	22
1632	Spectroscopic studies on the toxic interaction of sodium oleate with bovine serum albumin. <b>2011</b> , 21, 1069-74	1
1631	Synthesis, characterization luminiscence studies and microbial activity of ethylenediamine ruthenium (II) complexes with dipyrrophenazine ligands. <b>2011</b> , 21, 1155-64	14
1630	Fluorescence quenching study on the interaction between quercetin and lipoxygenase. <b>2011</b> , 21, 1311-8	19
1629	Binding of quercetin to lysozyme as probed by spectroscopic analysis and molecular simulation. <b>2011</b> , 21, 1879-86	21
1628	Characterization of Phenosafranin-Hemoglobin Interactions in Aqueous Solution. <b>2011</b> , 40, 231-246	23
1627	Synthesis, structure, and DNA-binding properties of manganese(II) and zinc(II) complexes with tris(N-methylbenzimidazol-2-ylmethyl)amine ligand. <b>2011</b> , 36, 21-28	35
1626	A ternary copper(II) complex for supramolecular assembly with double helices: synthesis, crystal structure, DNA-binding and DNA-cleavage properties. <b>2011</b> , 36, 289-295	14
1625	Synthesis, crystal structure, and DNA interaction studies of a mixed-ligand copper(II) complex of 1,10-phenanthroline and a Schiff base derived from isoleucine. <b>2011</b> , 36, 565-571	7
1624	Synthesis, structure, DNA-binding properties, and antioxidant activity of copper(II) and cobalt(II) complexes with bis(N-allylbenzimidazol-2-ylmethyl)benzylamine. <b>2011</b> , 36, 819-827	27
1623	A Schiff base ligand N-(2-hydroxyacetophenone)-3-oxapentane-1,5-diamine and its nickel(II) complex: synthesis, crystal structure, antioxidation, and DNA-binding properties. <b>2011</b> , 36, 847-853	43
1622	Water-soluble quaternized mercaptopyrindine-substituted zinc-phthalocyanines: Synthesis, photophysical, photochemical and bovine serum albumin binding properties. <b>2011</b> , 91, 153-163	81
1621	Synthesis, nucleic acid binding and cytotoxicity of polyethyleneimine-copper(II) complexes containing 1,10-phenanthroline and L-valine. <b>2011</b> , 46, 3013-21	36
1620	Exploring the binding mechanism of dihydropyrimidinones to human serum albumin: spectroscopic and molecular modeling techniques. <b>2011</b> , 84, 272-9	47
1619	Human serum albumin binding and cytotoxicity studies of surfactant-cobalt(III) complex containing 1,10-phenanthroline ligand. <b>2011</b> , 86, 35-44	28



1618	Spectroscopic studies on the interaction between Pr(III) complex of an ofloxacin derivative and bovine serum albumin or DNA. <b>2011</b> , 78, 503-11	64
1617	Photophysical, photochemical and BSA binding/BQ quenching properties of quaternizable coumarin containing water soluble zinc phthalocyanine complexes. <b>2011</b> , 79, 608-17	34
1616	Synthesis of CdSe quantum dots using selenium dioxide as selenium source and its interaction with pepsin. <b>2011</b> , 79, 1311-5	25
1615	The interaction of chromium(VI) with urease in solution. <b>2011</b> , 141, 53-64	10
1614	The electrostatic interactions between nano-TiO(2) and trypsin inhibit the enzyme activity and change the secondary structure of trypsin. <b>2011</b> , 142, 435-46	23
1613	Mitoxantrone induced impediment of histone acetylation and structural flexibility of the protein. <b>2011</b> , 60, 209-18	10
1612	Synthesis, DNA binding and cleavage studies of the copper(II) complexes of PNA-cyclen conjugates. <b>2011</b> , 54, 129-136	8
1611	Mn-doped ZnS quantum dots/methyl violet nanohybrids for room temperature phosphorescence sensing of DNA. <b>2011</b> , 54, 1254-1259	27
1610	Surfactants Based on Bis-Galactobenzimidazolones: Synthesis, Self-Assembly and Ion Sensing Properties. <b>2011</b> , 14, 487-495	6
1609	Synthesis, characterization and DNA binding of the complexes of rare earth with phenanthroline and demethylcantharate. <b>2011</b> , 29, 297-302	9
1608	Study on the Interaction between Cephalosporin Drugs and Papain by Spectroscopic Method: Equivalence of Fluorescence Quenching and Enhancement Equation. <b>2011</b> , 29, 2625-2630	
1607	Synthesis, Characterization, DNA-binding Properties and DNA Cleavage of a New Ternary Copper(II) Complex with Mixed-ligands of Tridentate Schiff Base and 1,10-Phenanthroline. <b>2011</b> , 29, 259-266	24
1606	Synthesis, Antiproliferative Activity and DNA-Binding Properties of Nitrogen and Sulfur Heterocyclic Norcantharidin Acylamide Acid. <b>2011</b> , 29, 473-477	3
1605	Spectroscopic Studies on the Interaction of Asiatic Acid with Bovine Serum Albumin. <b>2011</b> , 29, 549-554	1
1604	Spectroscopic identification of interactions of formaldehyde with bovine serum albumin. <b>2011</b> , 25, 95-100	15
1603	Polyoxometalates as Inhibitors of the Aggregation of Amyloid $\beta$ Peptides Associated with Alzheimer's Disease. <b>2011</b> , 123, 4270-4274	49
1602	Polyoxometalates as inhibitors of the aggregation of amyloid $\beta$ peptides associated with Alzheimer's disease. <b>2011</b> , 50, 4184-8	170
1601	Synthesis, characterization, and DNA binding and cleavage properties of copper(II)-tryptophanphenyl-alanine-1,10-phenanthroline/2,2'-bipyridine complexes. <b>2011</b> , 8, 131-44	11

1600	Synthesis, DNA binding, and cleavage studies of novel PNA binding cyclen complexes. <b>2011</b> , 8, 827-40	5
1599	Synthesis, characterization, and DNA-binding and -cleavage properties of dinuclear Cu(II) --salophen/salen complexes. <b>2011</b> , 8, 1245-65	21
1598	Electronic Effect of Substituents on the DNA Intercalation of Ruthenium(II)?Polypyridyl Complexes. <b>2011</b> , 8, 1486-1496	12
1597	Study of the interaction between ofloxacin and human serum albumin by spectroscopic methods. <b>2011</b> , 26, 710-5	25
1596	A mechanistic approach for the DNA binding of chiral enantiomeric L- and D-tryptophan-derived metal complexes of 1,2-DACH: cleavage and antitumor activity. <b>2011</b> , 23, 250-9	38
1595	Applications of phasor plots to in vitro protein studies. <b>2011</b> , 410, 70-6	41
1594	Synthesis and crystal structure of two new dinuclear cobalt(II) complexes interaction with HeLa cells. <b>2011</b> , 46, 160-7	9
1593	Synthesis, characterization, and study on HeLa cells activity of a dinuclear complex [Cu4(phen)4(H2O)2]4(pyri)3H2O. <b>2011</b> , 46, 2546-54	16
1592	Protein-binding and antioxidant potential of phenolics of mangosteen fruit (Garcinia mangostana). <b>2011</b> , 128, 292-8	44
1591	Spectroscopic, cytotoxic and DFT studies of a luminescent palladium(II) complex of a hydrazone ligand that induces apoptosis in human prostate cancer cells. <b>2011</b> , 373, 40-46	31
1590	Fluorescence quenching of 1- and 2-naphthols by Cu <sup>2+</sup> in anionic micelle. <b>2011</b> , 158, 38-42	2
1589	Binding and photocleavage of a neutral nickel(II) bis(hydrogen pyridine-2,6-dicarboxylato) complex to DNA. <b>2011</b> , 985, 129-133	11
1588	Synthesis, crystal structure and DNA-binding properties of a new copper(II) complex with l-valine Schiff base and 1,10-phenanthroline. <b>2011</b> , 986, 57-63	23
1587	Study on the interaction between cinnamic acid and lysozyme. <b>2011</b> , 987, 7-12	34
1586	Synthesis and characterization of glycoconjugate tin(IV) complexes: In vitro DNA binding studies, cytotoxicity, and cell death. <b>2011</b> , 696, 1600-1608	22
1585	Synthesis of new chiral heterocyclic Schiff base modulated Cu(II)/Zn(II) complexes: their comparative binding studies with CT-DNA, mononucleotides and cleavage activity. <b>2011</b> , 103, 166-79	108
1584	The interaction between 4-aminoantipyrine and bovine serum albumin: multiple spectroscopic and molecular docking investigations. <b>2011</b> , 190, 574-81	63
1583	Interaction of copper(II) with the non-steroidal anti-inflammatory drugs naproxen and diclofenac: synthesis, structure, DNA- and albumin-binding. <b>2011</b> , 105, 476-89	217

1582	Nickel-quinolones interaction. Part 4. Structure and biological evaluation of nickel(II)-enrofloxacin complexes compared to zinc(II) analogues. <b>2011</b> , 105, 63-74	64
1581	New advances in the study on the interaction of [Cr(phen)2(dppz)] <sup>3+</sup> complex with biological models; association to transporting proteins. <b>2011</b> , 105, 645-51	68
1580	Synthesis, DNA binding, photo-induced DNA cleavage, cytotoxicity and apoptosis studies of copper(II) complexes. <b>2011</b> , 105, 119-26	99
1579	Study on potential antitumor mechanism of a novel Schiff base copper(II) complex: synthesis, crystal structure, DNA binding, cytotoxicity and apoptosis induction activity. <b>2011</b> , 105, 728-37	171
1578	DNA binding, oxidative DNA cleavage, cytotoxicity, and apoptosis-inducing activity of copper(II) complexes with 1,4-tpbd (N,N,N',N'-tetrakis(2-ylidylmethyl)benzene-1,4-diamine) ligand. <b>2011</b> , 105, 894-901	78
1577	Nickel-quinolones interaction. Part 5-Biological evaluation of nickel(II) complexes with first-, second- and third-generation quinolones. <b>2011</b> , 105, 1273-85	77
1576	Spectroscopic analyses on interaction of bovine serum albumin (BSA) with toluidine blue (TB) and its sonodynamic damage under ultrasonic irradiation. <b>2011</b> , 131, 231-237	23
1575	Spectroscopic and voltammetric characterizations of the interaction of two local anesthetics with bovine serum albumin. <b>2011</b> , 131, 866-873	26
1574	Probing the binding of vitexin to human serum albumin by multispectroscopic techniques. <b>2011</b> , 131, 880-887	49
1573	Spectroscopic studies of 7, 8-dihydroxy-4-methylcoumarin and its interaction with bovine serum albumin. <b>2011</b> , 131, 900-908	53
1572	Interaction of diethyl aniline methylphosphonate with DNA: Spectroscopic and isothermal titration calorimetry. <b>2011</b> , 131, 926-930	20
1571	Binding of rare earth metal complexes with an ofloxacin derivative to bovine serum albumin and its effect on the conformation of protein. <b>2011</b> , 131, 1557-1565	21
1570	Development of fluorescent FeIII sensor based on chalcone. <b>2011</b> , 131, 1672-1676	41
1569	Photoinduced interaction of colloidal TiO <sub>2</sub> nanoparticles with lysozyme: Evidences from spectroscopic studies. <b>2011</b> , 131, 1975-1981	39
1568	Studies on the arctiin and its interaction with DNA by spectral methods. <b>2011</b> , 131, 2299-2306	43
1567	DNA binding studies of new valine derived chiral complexes of tin(IV) and zirconium(IV). <b>2011</b> , 78, 45-51	45
1566	Investigation of ketoprofen binding to human serum albumin by spectral methods. <b>2011</b> , 78, 410-4	37
1565	Studies on the interaction of salvianolic acid B with human hemoglobin by multi-spectroscopic techniques. <b>2011</b> , 78, 1295-301	41

1564	Interaction of monosulfonate tetraphenyl porphyrin (H2TPPS1) with plant-esterase: determination of the binding mechanism by spectroscopic methods. <b>2011</b> , 78, 1349-55	45
1563	Study on the interaction between salvianic acid A sodium and bovine serum albumin by spectroscopic methods. <b>2011</b> , 78, 1535-9	31
1562	Synthesis and characterizations of ultra-small ZnS and Zn(1-x)Fe(x)S quantum dots in aqueous media and spectroscopic study of their interactions with bovine serum albumin. <b>2011</b> , 79, 361-9	90
1561	Study on the interaction between thiazolopyrimidine analogues and bovine serum albumin. <b>2011</b> , 79, 1931-5	4
1560	Oxidative and hydrolytic DNA cleavage by Cu(II) complexes of salicylidene tyrosine schiff base and 1,10 phenanthroline/bipyridine. <b>2011</b> , 30, 565-572	43
1559	A six-coordinate picrate cadmium(II) complex with a new V-shaped ligand 1,3-bis(1-ethylbenzimidazol-2-yl)-2-thiapropane: synthesis, crystal structure, and DNA-binding properties. <b>2011</b> , 64, 2676-2687	21
1558	Interactions between bovine serum albumin and oxidized sodium alginate in solution. <b>2011</b> , 22, 1639-50	7
1557	Study on the interactions of PFOS and PFOA with bovine serum albumin. <b>2011</b> ,	1
1556	Spectroscopy studies on DNA binding of two ruthenium complexes [Ru(MeIm) <sub>4</sub> (L)] <sup>2+</sup> (L = iip and tip). <b>2011</b> , 64, 1491-1502	17
1555	. <b>2011</b> ,	
1554	Spectroscopic Studies on the Interaction between 2-Chlorophenol and Catalase. <b>2011</b> , 183-185, 206-210	
1553	Spectroscopic Studies on the Interaction between Salvianolic Acid a and Human Serum Albumin. <b>2011</b> , 236-238, 2399-2402	
1552	Synthesis and characterization of the ligand based on benzimidazole and its copper complex: DNA binding and antioxidant activity. <b>2011</b> , 2011, 105431	4
1551	Copper(II) complex based on a V-shaped ligand, 2,6- bis (2-benzimidazolyl)pyridine: synthesis, crystal structure, DNA-binding properties, and antioxidant activities. <b>2011</b> , 64, 4383-4396	23
1550	Metal complexes of porphyrin- <i>anthraquinone</i> hybrids: DNA binding and photocleavage specificities. <b>2011</b> , 64, 1977-1990	9
1549	Nucleic acid binding behaviors and cytotoxic properties of a Ru(II) complex. <b>2011</b> , 30, 277-85	11
1548	Investigation on the interaction between 3, 5-dihydroxytoluene and bovine serum albumin by fluorescence spectroscopy. <b>2011</b> ,	
1547	Synthesis, characterization, and DNA-binding of a four-coordinate cobalt(II) complex with 1,3-bis(1-ethylbenzimidazol-2-yl)-2-oxopropane. <b>2011</b> , 64, 3041-3050	9

1546	Synthesis, Crystal Structure, and Spectra Properties of the Cadmium (II) Complex with Bis(N-allylbenzimidazol-2-ylmethyl)benzylamine. <b>2011</b> , 2011, 705989	21
1545	Studies of the Interaction Between Ciprofloxacin and the Hemocyanin From Chinese Mitten Crab <i>Eriocheir Japonica Sinensis</i> . <b>2011</b> , 44, 2094-2106	0
1544	Synthesis, characterization, antioxidant, antimicrobial, DNA binding and cleavage studies of mononuclear Cu(II) and Co(II) complexes of 3-hydroxy-N'-(2-hydroxybenzylidene)-2-naphthohydrazide. <b>2011</b> , 2, 394-403	24
1543	Study of Characterization and Application on the Binding of Photochromic PAzoM26-b-PAA296 Diblock Copolymer with Bovine Serum Albumin by Spectroscopic Techniques. <b>2011</b> , 32, 1516-1523	1
1542	Probing the interaction of anti-cancer agent dihydromyricetin with human serum albumin: a typical method study. <b>2012</b> , 12, 919-28	13
1541	Synthesis, Crystal Structure, and DNA-Binding Properties of a Cadmium(II) Complex With 1,3-Bis(1-propylbenzimidazol-2-yl)-2-oxapropane. <b>2012</b> , 42, 1120-1127	1
1540	A copper(II) complex of 1,4,7-triazacyclononane featuring acetate pendant: an efficient DNA cleavage agent. <b>2012</b> , 65, 122-130	6
1539	Study and understanding of n/γ discrimination in organic plastic scintillators. <b>2012</b> ,	1
1538	A V-shaped ligand bis(N-methylbenzimidazol-2-ylmethyl) benzylamine with its cobalt(II) complex: synthesis, crystal structure, DNA-binding properties, and antioxidant activity. <b>2012</b> , 65, 616-628	18
1537	Synthesis, structure, anticancer activities, and DNA-binding properties of a 1-D polymeric copper(II) complex alternately bridged by oxamide and terephthalate. <b>2012</b> , 65, 3530-3545	15
1536	Synthesis, Crystal Structure and DNA-Binding Properties of a Seven-Coordinate Ternary Cadmium(II) Complex Formed with Tripod Ligand Tris[2-(N-Ethyl)Benzimidazylmethyl]Amine and Salicylate. <b>2012</b> , 36, 226-230	1
1535	Study on the Interaction of Bovine Serum Albumin with Ceftriaxone and the Inhibition Effect of Zinc (II). <b>2012</b> , 2012, 1-9	20
1534	Synthesis, Crystal Structure, and DNA-Binding Studies of a Nickel(II) Complex with the Bis(2-benzimidazolymethyl)amine Ligand. <b>2012</b> , 2012, 609796	14
1533	Metal Complexes of New Tetraazamacrocyclic Constrained Oxadiazole Ring as Subunits: Synthesis, DNA Binding and Photonuclease Activity. <b>2012</b> , 49, 139-148	10
1532	Single photon counting fluorescence lifetime detection of pericellular oxygen concentrations. <b>2012</b> , 17, 016007	28
1531	WITHDRAWN: Baicalein protects against Staphylococcus aureus pneumonia in a mouse model via inhibition of the self-assembly of Hemolysin heptamers. <b>2012</b> ,	
1530	Impact of halogen substituents on interactions between 2-phenyl-2,3-dihydroquinazolin-4(1H)-one derivatives and human serum albumin. <b>2012</b> , 17, 2000-14	16
1529	Synthesis and characterization of TiO(2) nanoparticles: applications in research on the interaction of colloidal TiO(2) with human serum albumin by fluorescence spectroscopy. <b>2012</b> , 28, 491-6	9

1528	Virtual screening and biological evaluation of inhibitors targeting the XPA-ERCC1 interaction. <b>2012</b> , 7, e51329	48
1527	Calix receptor edifice; scrupulous turn off fluorescent sensor for Fe(III), Co(II) and Cu(II). <b>2012</b> , 22, 1493-500	41
1526	Synthesis and enhanced DNA cleavage activities of bis-tacnorthoamide derivatives. <b>2012</b> , 10, 8484-92	12
1525	Efficient DNA condensation induced by ruthenium(II) complexes of a bipyridine-functionalized molecular clip ligand. <b>2012</b> , 18, 16383-92	38
1524	Interaction between Plectranthus barbatus herbal tea components and acetylcholinesterase: binding and activity studies. <b>2012</b> , 3, 1176-84	16
1523	Synthesis, crystal structures of novel complexes of rare earth with norfloxacin, interaction with DNA and BSA. <b>2012</b> , 30, 460-466	9
1522	Synthesis and characterization of copper(II) and zinc(II)-based potential chemotherapeutic compounds: their biological evaluation viz. DNA binding profile, cleavage and antimicrobial activity. <b>2012</b> , 58, 308-16	98
1521	DNA binding and cleavage studies of new sulfasalazine-derived dipeptide Zn(II) complex: Validation for specific recognition with 5'-TTP. <b>2012</b> , 132, 3058-3065	17
1520	Study of the Interaction between a Water-soluble Cationic Fluorescent Conjugated Polymer and Bovine Serum Albumin. <b>2012</b> , 41, 2009-2016	1
1519	Two heptadentate Co(III) and Mn(III) complexes with partially deprotonated cyclen derivative bearing four hydroxypropyl pendants: structure, DNA binding and DNA cleavage. <b>2012</b> , 26, 671-680	4
1518	2-Hydroxynaphthalene-1-carbaldehyde- and 2-(aminomethyl)pyridine-based Schiff base Cu(II) complexes for DNA binding and cleavage. <b>2012</b> , 9, 2262-81	14
1517	Specific binding of tubeimoside-2 with proteins in hepatocarcinoma HepG2 cells: investigation by molecular spectroscopy. <b>2012</b> , 79, 416-423	2
1516	Binding Effect of Common Ions to Human Serum Albumin in the Presence of Norfloxacin: Investigation with Spectroscopic and Zeta Potential Approaches. <b>2012</b> , 41, 1777-1801	56
1515	Binding of Dioxopromethazine Hydrochloride with Human Serum Albumin and Its Effect on the Conformation of the Protein. <b>2012</b> , 41, 1853-1865	1
1514	Investigation on Sonocatalytic Damage to Bovine Serum Albumin (BSA) Under Ultrasonic Irradiation in the Presence of Fe(III) Citrate Complexes. <b>2012</b> , 41, 2058-2073	
1513	Synthesis, characterization, biological studies (DNA binding, cleavage, antibacterial and topoisomerase I) and molecular docking of copper(II) benzimidazole complexes. <b>2012</b> , 114, 15-26	103
1512	Synthesis of heterobimetallic complexes: in vitro DNA binding, cleavage and antimicrobial studies. <b>2012</b> , 114, 108-18	44
1511	Synthesis, characterization and interaction studies of copper based drug with Human Serum Albumin (HSA): spectroscopic and molecular docking investigations. <b>2012</b> , 114, 132-9	154

1510	Azido carbonyl compounds as DNA cleaving agents. <b>2012</b> , 115, 25-34	8
1509	New heterobimetallic Cu(II)-Sn(IV) complex as potential topoisomerase I inhibitor: in vitro DNA binding, cleavage and cytotoxicity against human cancer cell lines. <b>2012</b> , 115, 63-72	33
1508	A seven-coordinated manganese(II) complex with V-shaped ligand bis(N-benzylbenzimidazol-2-ylmethyl)benzylamine: synthesis, structure, DNA-binding properties and antioxidant activities. <b>2012</b> , 116, 13-21	35
1507	Fluorescent quenching for biofilm extracellular polymeric substances (EPS) bound with Cu(II). <b>2012</b> , 43, 450-454	24
1506	Characteristics and kinetics of iron release from the ferritin under the EGCG reduction. <b>2012</b> , 146, 134-40	6
1505	Enantiomeric recognition of chiral L <sup>1</sup> and D <sup>1</sup> penicillamine Zinc(II) complexes: DNA binding behavior and cleavage studies. <b>2012</b> , 2, 6354	21
1504	Structural features of mono- and tri-nuclear Zn(II) complexes with a non-steroidal anti-inflammatory drug as ligand. <b>2012</b> , 41, 7082-91	55
1503	Synthesis, Characterization, DNA-Binding Studies of Rare Earth Complexes With N-Phenyl Norcantharidin Acylamide Acid. <b>2012</b> , 42, 692-697	1
1502	Two new palladium(II) complexes: synthesis, characterization and their interaction with HeLa cells. <b>2012</b> , 41, 11187-94	17
1501	Spectral characteristics, DNA-binding and cytotoxicity of two functional Ru(II) mixed-ligand complexes. <b>2012</b> , 41, 4575-87	44
1500	Interaction and photo-induced cleavage studies of a copper based chemotherapeutic drug with human serum albumin: spectroscopic and molecular docking study. <b>2012</b> , 8, 2424-33	104
1499	Synthesis, characterization, nucleic acid binding, and cytotoxic activity of a Ru(II) polypyridyl complex. <b>2012</b> , 31, 250-8	4
1498	Synthesis, crystal structure, DNA-binding properties, and antioxidant activity of a V-shaped ligand bis(N-methylbenzimidazol-2-ylmethyl)benzylamine and its zinc(II) complex. <b>2012</b> , 65, 4327-4341	14
1497	Synthesis, Crystal Structure, and DNA-Binding Property of Ruthenium (IV) Complex With 2,5-dimercapto-1,3,4- thiadiazole and 1,10-phenanthroline. <b>2012</b> , 42, 1440-1444	1
1496	Interaction of presequence with human translocase of the inner membrane of mitochondria Tim50. <b>2012</b> , 116, 2990-8	8
1495	Design, synthesis, characterization and DNA-binding studies of a triphenyltin(IV) complex of N-glycoside (GATPT), a sugar based apoptosis inducer: in vitro and in vivo assessment of induction of apoptosis by GATPT. <b>2012</b> , 4, 205-17	25
1494	Borrelidin, a potent antifungal agent: insight into the antifungal mechanism against Phytophthora sojae. <b>2012</b> , 60, 9874-81	20
1493	Spectroscopic Investigation on the Interaction of Pyrimidine Derivative, 2-Amino-6-hydroxy-4-(3,4-dimethoxyphenyl)-pyrimidine-5-carbonitrile with Human Serum Albumin: Mechanistic and Conformational Study. <b>2012</b> , 51, 95-102	53



- 1492 Exploring the binding mechanism of Guaijaverin to human serum albumin: fluorescence spectroscopy and computational approach. **2012**, 97, 449-55 29
- 1491 Mononuclear cobalt(III) and iron(II) complexes with diimine ligands: Synthesis, structure, DNA binding and cleavage activities, and oxidation of 2-aminophenol. **2012**, 43, 22-30 27
- 1490 Synthesis and characterization of novel square planar copper(II) dipeptide-1,10-phenanthroline complexes: Investigation of their DNA binding and cleavage properties. **2012**, 44, 1-10 26
- 1489 A mononuclear copper(II) complex based on the polypyridyl ligand 2,4,6-tris(2-pyridyl)-1,3,5-triazine (tptz), [Cu(tptz)<sub>2</sub>]<sup>2+</sup>: X-ray crystal structure, DNA binding and in vitro cell cytotoxicity. **2012**, 44, 101-112 69
- 1488 Investigation of photophysical, photochemical and bovine serum albumin binding properties of novel water-soluble zwitterionic zinc phthalocyanine complexes. **2012**, 162, 605-613 22
- 1487 Ultrasonic assisted synthesis of adenosine triphosphate capped manganese-doped ZnS quantum dots for selective room temperature phosphorescence detection of arginine and methylated arginine in urine based on supramolecular Mg(2+)-adenosine triphosphate-arginine ternary system. **2012**, 87, 14-22 55
- 1486 Interaction of ergosterol with bovine serum albumin and human serum albumin by spectroscopic analysis. **2012**, 39, 9493-508 19
- 1485 Metallosupramolecular complex targeting an  $\alpha$ -discordant stretch of amyloid  $\beta$  peptide. **2012**, 3, 3145 59
- 1484 Spectroscopic and dynamic light scattering studies of the interaction between pterodonic acid and bovine serum albumin. **2012**, 2, 53-59 34
- 1483 Studies on the interaction between scopoletin and two serum albumins by spectroscopic methods. **2012**, 132, 2719-2729 69
- 1482 Synthesis, characterization, and cytotoxicity in vitro of the complex [Mn (Hptc) (phen) (OH)] n. **2012**, 90, 519-24 9
- 1481 Investigation on the interaction behavior between bisphenol A and pepsin by spectral and docking studies. **2012**, 1021, 34-39 42
- 1480 Synthesis of dihydromyricetin-manganese (II) complex and interaction with DNA. **2012**, 1027, 64-69 10
- 1479 Spectral characteristics of fluorescence and circular dichroism of aflatoxin B1 reaction with its anti-idiotypic antibody. **2012**, 1028, 73-78 4
- 1478 Spectroscopic characterization of furosemide binding to human carbonic anhydrase II. **2012**, 50, 910-7 15
- 1477 A new two dimensional copper (II) coordination complex with sulphonamide: Synthesis, crystal structure and DNA binding study. **2012**, 21, 163-167 17
- 1476 Investigations on the binding of human hemoglobin with orange I and orange II. **2012**, 113, 14-21 17
- 1475 The interaction of  $\alpha$ -chymotrypsin with one persistent organic pollutant (dicofol): spectroscopy and molecular modeling identification. **2012**, 50, 3298-305 51



1474	Fluorescent properties and bifenthrin binding behavior of maize ( <i>Zea mays</i> L.) seedling root exudates. <b>2012</b> , 50, 106-108	7
1473	Study on the interaction of food colourant quinoline yellow with bovine serum albumin by spectroscopic techniques. <b>2012</b> , 135, 1836-41	96
1472	Assay of picogram level isocarbophos residue on tangerines and oranges with luminol-albumin chemiluminescence system. <b>2012</b> , 135, 2549-53	14
1471	Synthesis, magnetic properties, DNA binding and cleavage activity of a new oxalato bridged copper(II) complex. <b>2012</b> , 26, 511-517	3
1470	Enantiomeric specificity of biologically significant Cu(II) and Zn(II) chromone complexes towards DNA. <b>2012</b> , 24, 977-86	21
1469	Synthesis, DNA binding, and photonuclease activity of new tetraaza macrocyclic constrained isoxazole rings as subunit in metal complexes. <b>2012</b> , 31, 813-29	3
1468	Molecular drug design, synthesis and structure elucidation of a new specific target peptide based metallo drug for cancer chemotherapy as topoisomerase I inhibitor. <b>2012</b> , 41, 4955-64	62
1467	Small change in structure leads to large difference in protein photocleavage: two porphyrins bearing rhodanine-based pendants. <b>2012</b> , 11, 715-23	2
1466	Synthesis, characterization, DNA binding and cleavage, BSA interaction and anticancer activity of dinuclear zinc complexes. <b>2012</b> , 41, 12220-32	81
1465	Synthesis, characterization and cytotoxicity of a carboxylic ligand 2,2-bis(3-phenylpropyl) malonic acid and a corresponding Mn(II) complex. <b>2012</b> , 41, 13352-8	5
1464	Characterization of the Interaction between Cationic Thulium (III) Porphyrin Complex with Bovine Serum Albumin. <b>2012</b> , 03,	1
1463	Study on the interaction of triadimenol with calf thymus DNA by multispectroscopic methods and molecular modeling. <b>2012</b> , 96, 1012-9	21
1462	Interaction of divalent metal ions with human translocase of inner membrane of mitochondria Tim50. <b>2012</b> , 428, 365-70	7
1461	Investigation of the interaction between amodiaquine and human serum albumin by fluorescence spectroscopy and molecular modeling. <b>2012</b> , 54, 255-63	93
1460	Atypical fluoroquinolone gold(III) chelates as potential anticancer agents: relevance of DNA and protein interactions for their mechanism of action. <b>2012</b> , 55, 67-73	56
1459	Structural and spectroscopic investigations on bis(1-amidino-O-2-alkoxyethylurea) copper(II) perchlorate complexes (alkoxy = methoxy, ethoxy or butoxy). <b>2012</b> , 47, 1-8	16
1458	Synthesis, luminescence properties of Eu(III) and Tb(III) complexes with a novel aromatic carboxylic acid and their interactions with bovine serum albumin. <b>2012</b> , 98, 170-7	13
1457	Two new dicopper(II) complexes with oxamido-bridged ligand: synthesis, crystal structures, DNA binding/cleavage and BSA binding activity. <b>2012</b> , 115, 78-86	73

1456	Synthesis and luminescent properties of Tb(III) complex with a novel pyrazolone ligand and its interaction with bovine serum albumin. <b>2012</b> , 1030, 19-25	11
1455	Protein-templated gold nanoclusters: size dependent inversion of fluorescence emission in the presence of molecular oxygen. <b>2012</b> , 4, 6018-24	57
1454	TCM active ingredient oxoglucine metal complexes: crystal structure, cytotoxicity, and interaction with DNA. <b>2012</b> , 51, 1998-2009	64
1453	Synthesis, crystal structures, DNA binding and cleavage studies of two oxovanadium(IV) complexes of 1,10-phenanthroline and Schiff bases derived from tryptophan. <b>2012</b> , 37, 783-790	13
1452	Spectroscopic studies of DNA interactions with food colorant indigo carmine with the use of ethidium bromide as a fluorescence probe. <b>2012</b> , 60, 10867-75	91
1451	One-step synthesis of fluorescein modified nano-carbon for Pd(II) detection via fluorescence quenching. <b>2012</b> , 137, 2054-62	46
1450	Probing the binding of the flavonoid diosmetin to human serum albumin by multispectroscopic techniques. <b>2012</b> , 60, 2721-9	160
1449	Synthesis, structures, anticancer activities and DNA-binding properties of new dicopper(II) complexes bridged by N-benzoato-N'-(2-amino-2-methylethyl)oxamide. <b>2012</b> , 23, 1509-1522	4
1448	An investigation of binding ability of ionic surfactants with trifluoperazine dihydrochloride: insights from surface tension, electronic absorption and fluorescence measurements. <b>2012</b> , 2, 9571	56
1447	Ni(2+)-modified gold nanoclusters for fluorescence turn-on detection of histidine in biological fluids. <b>2012</b> , 137, 4005-9	65
1446	How Molecular Mechanics Can Measure Nanoscopic Flow. <b>2012</b> , 116, 14694-14700	1
1445	Review: Synthesis, characterization, and DNA-binding properties of Ru(II) molecular [light switch] complexes. <b>2012</b> , 65, 474-486	22
1444	Characterization and deposition of various light-harvesting antenna complexes by electrospray atomization. <b>2012</b> , 404, 2329-38	14
1443	Study on the interaction behavior of catalase with cephalosporins by chemiluminescence with flow injection analysis. <b>2012</b> , 4, 1485-1487	4
1442	Spectrometric investigations on the binding of dopamine to bovine serum albumin. <b>2012</b> , 50, 453-464	3
1441	The interaction of flavonoid-lysozyme and the relationship between molecular structure of flavonoids and their binding activity to lysozyme. <b>2012</b> , 22, 1449-59	30
1440	Inhibition of N-terminal lysines acetylation and transcription factor assembly by epirubicin induced deranged cell homeostasis. <b>2012</b> , 7, e51850	6
1439	Multispectroscopic Study of the Interaction of Chloramphenicol with Human Neuroglobin. <b>2012</b> , 27, 143-154	1

1438	Crossed Optical Fiber Sensor Arrays for High-Spatial-Resolution Sensing: Application to Dissolved Oxygen Concentration Measurements. <b>2012</b> , 2012, 1-10	6
1437	The cadmium-mercaptoacetic acid complex contributes to the genotoxicity of mercaptoacetic acid-coated CdSe-core quantum dots. <b>2012</b> , 7, 2631-40	8
1436	Synthesis and DNA-binding Properties of a Cationic Seven-coordinate Manganese(II) Complex Formed with the Tripodal Ligand Tris(Nmethylbenzimidazol- 2-ylmethyl)amine and Salicylate. <b>2012</b> , 67, 819-826	2
1435	Determination of Nanogram Quantities of Emodin in Pharmaceutical Preparations and Biofluids by Luminol-Myoglobin Chemiluminescence System. <b>2012</b> , 27, 73-81	
1434	Cobalt(II) Complex with a Tridentate N Donor Ligand: Synthesis, Crystal Structure, Antioxidation, and DNA Binding Studies. <b>2012</b> , 638, 122-128	6
1433	Synthesis, Characterization, DNA-binding Properties, and Antioxidant Activity of a Copper(II) Complex with 1, 3-Bis[(1-allylbenzimidazol-2-yl)-2-oxopropane. <b>2012</b> , 638, 443-450	7
1432	Synthesis, Crystal Structures and DNA-Binding Properties of a Six-Coordinate Ternary Iron (III) Complex Formed with Tris(2-[N-Ethyl]Benzimidazylmethyl)Amine and Salicylate. <b>2012</b> , 36, 283-287	2
1431	Synthesis, Crystal Structure, Antioxidation and DNA-Binding Studies of a Zinc(II) Complex with the Bis(N-allylbenzimidazol-2-ylmethyl)aniline. <b>2012</b> , 59, 836-842	7
1430	Spectroscopic investigation on the interaction of Cr(VI) with bovine serum albumin. <b>2012</b> , 26, 54-9	8
1429	Determination on the binding of chlortetracycline to bovine serum albumin using spectroscopic methods. <b>2012</b> , 26, 331-6	7
1428	Toxic interaction between acid yellow 23 and trypsin: spectroscopic methods coupled with molecular docking. <b>2012</b> , 26, 360-7	20
1427	Synthesis, structure, DNA-binding properties and antioxidant activity of silver(I) complexes containing V-shaped bis-benzimidazole ligands. <b>2012</b> , 41, 8829-38	84
1426	Glabridin protects paraoxonase 1 from linoleic acid hydroperoxide inhibition via specific interaction: a fluorescence-quenching study. <b>2012</b> , 60, 3679-85	39
1425	Fluorescence spectroscopic studies on the interaction of Gemini surfactant 14-6-14 with bovine serum albumin. <b>2012</b> , 27, 204-10	45
1424	A zinc(II) complex with tris(2-( N -methyl)benzimidazylmethyl)amine and salicylate: synthesis, crystal structure, and DNA-binding. <b>2012</b> , 65, 2839-2851	35
1423	Synthesis, spectroscopic, powder X-ray diffraction and DNA binding studies on copper(II) complexes of 4,4'-diaminodiphenyl sulfone. <b>2012</b> , 9, 441-448	3
1422	Synthesis, characterization, DNA binding and antimicrobial studies on bis(1-amidino-O-2-alkoxyethylurea) copper(II) chloride complexes (alkoxy = methoxy or ethoxy). <b>2012</b> , 9, 455-465	1
1421	Antioxidant activities and transition metal ion chelating studies of some hydroxyl Schiff base derivatives. <b>2012</b> , 21, 1341-1346	9

1420	DNA Binding and Cleavage Studies of Dichlorido[Bis(2-Ethyl-5-Methyl-1H-Imidazol-4-yl- $\mu$ 3)Methane]Cobalt(II) Monohydrate. <b>2012</b> , 42, 423-426	2
1419	Synthesis, Crystal Structure and DNA-Binding Properties of a Zinc(II) Complex with 1,3-Bis(1-propylbenzimidazol-2-yl)-2-oxapropane. <b>2012</b> , 42, 884-890	1
1418	Study of DNA light switch Ru(II) complexes: synthesis, characterization, photocleavage and antimicrobial activity. <b>2012</b> , 22, 835-47	20
1417	Synthesis, characterization, DNA binding and cleavage studies of mixed-ligand Cu(II) complexes of 2,6-bis(benzimidazol-2-yl)pyridine. <b>2012</b> , 22, 1003-12	25
1416	SYBR Green I: fluorescence properties and interaction with DNA. <b>2012</b> , 22, 1189-99	159
1415	Study on the interaction between isoniazid and bovine serum albumin by fluorescence spectroscopy: the effect of dimethylsulfoxide. <b>2012</b> , 39, 7559-67	24
1414	Binding of the ionic liquid cation 1-alkyl-3-methylimidazolium to p-tetranitrocaxlix[4]arene probed by fluorescent indicator displacement. <b>2012</b> , 403, 2361-6	5
1413	Synthesis, crystal structure and DNA-binding properties of a mononuclear copper complex with pyridine-2-carboxylate ligand. <b>2012</b> , 383, 230-234	16
1412	Synthesis, characterization, crystal structure and DNA-binding studies of two zinc(II) complexes with the V-shaped bis(benzimidazole)-thiapropane and its derivative ligand. <b>2012</b> , 384, 302-308	25
1411	Synthesis, characterization and DNA interaction of hexaaza macrotricyclic copper(II) complexes. <b>2012</b> , 386, 109-115	13
1410	Synthesis, characterization of Cu(II) and Zn(II) complexes of proline-glycine and proline-leucine tetrapeptides: In vitro DNA binding and cleavage studies. <b>2012</b> , 388, 1-10	25
1409	Two zinc(II) and cadmium(II) complexes based on the V-shaped ligand 2,6-bis(2-benzimidazolyl)pyridine: Synthesis, crystal structure, DNA-binding properties and antioxidant activities. <b>2012</b> , 390, 12-21	39
1408	Molecular drug design, synthesis and crystal structure determination of CuII-SnIV heterobimetallic core: DNA binding and cleavage studies. <b>2012</b> , 49, 141-50	63
1407	Synthesis, characterization, fluorescence and DNA-binding studies of europium(III) pirates complexes with amide-based 2,3-dihydroxynaphthalene derivatives. <b>2012</b> , 30, 297-303	9
1406	De novo design, synthesis and spectroscopic characterization of chiral benzimidazole-derived amino acid Zn(II) complexes: Development of tryptophan-derived specific hydrolytic DNA artificial nuclease agent. <b>2012</b> , 85, 53-60	27
1405	DNA binding, DNA cleavage and cytotoxicity studies of a new water soluble copper(II) complex: the effect of ligand shape on the mode of binding. <b>2012</b> , 86, 351-9	50
1404	Studies on the interaction between chromium(VI) and human serum albumin: spectroscopic approach. <b>2012</b> , 86, 381-6	11
1403	Spectrometry researches on interaction and sonodynamic damage of riboflavin (RF) to bovine serum albumin (BSA). <b>2012</b> , 87, 1-10	7

1402	Studies on the binding of rhaponticin with human serum albumin by molecular spectroscopy, modeling and equilibrium dialysis. <b>2012</b> , 87, 171-8	26
1401	Spectroscopic studies on the interaction between an anticancer drug ampelopsin and bovine serum albumin. <b>2012</b> , 87, 251-7	57
1400	In vitro investigation of the interaction between pentachlorophenol and alkaline phosphatase by spectroscopic methods. <b>2012</b> , 87, 298-302	1
1399	Cationic pyridinium porphyrins appending different peripheral substituents: spectroscopic studies on their interactions with bovine serum albumin. <b>2012</b> , 88, 130-6	13
1398	Synthesis, spectral studies and solvatochromic analysis of novel imidazole derivatives. <b>2012</b> , 89, 194-200	2
1397	New modulated design and synthesis of chiral CuII/SnIV bimetallic potential anticancer drug entity: in vitro DNA binding and pBR322 DNA cleavage activity. <b>2012</b> , 90, 208-17	9
1396	Nickel(II)-Schiff base complex recognizing domain II of bovine and human serum albumin: spectroscopic and docking studies. <b>2012</b> , 92, 164-74	85
1395	Binding of dihydromyricetin to human hemoglobin: fluorescence and circular dichroism studies. <b>2012</b> , 93, 125-30	32
1394	Interaction of tetramethylpyrazine with two serum albumins by a hybrid spectroscopic method. <b>2012</b> , 93, 321-30	29
1393	Synthesis, DNA-binding, DNA-photocleavage profiling and antimicrobial activity of novel tetra-aza macrocyclic Ni(II), Co(II) and Cu(II) complexes constrained by thiadiazole. <b>2012</b> , 94, 192-9	30
1392	BSA binding and antimicrobial studies of branched polyethyleneimine-copper(II)bipyridine/phenanthroline complexes. <b>2012</b> , 96, 108-16	65
1391	Study of the interaction between bovine serum albumin and analogs of Biphenyldicarboxylate by spectrofluorimetry. <b>2012</b> , 96, 324-31	26
1390	The effect of anti-tubercular drug, ethionamide on the secondary structure of serum albumins: a biophysical study. <b>2012</b> , 59, 102-8	29
1389	Interaction of antioxidant flavonoids with calf thymus DNA analyzed by spectroscopic and electrochemical methods. <b>2012</b> , 63, 40-6	68
1388	Comparative studies on the interactions of honokiol and magnolol with human serum albumin. <b>2012</b> , 66, 240-51	29
1387	Synthesis, structure, DNA-binding properties and antioxidant activity of a nickel(II) complex with bis(N-allylbenzimidazol-2-ylmethyl)benzylamine. <b>2012</b> , 107, 65-72	43
1386	Synthesis of new water soluble phthalocyanines and investigation of their photochemical, photophysical and biological properties. <b>2012</b> , 235, 56-64	29
1385	Micellar-mediated binding interaction between perylene and dl-phenylalanine: Insights from spectroscopic investigations. <b>2012</b> , 168, 12-16	1

1384	Synthesis and fluorescence properties of Tb(III) complex with a novel $\beta$ -diketone ligand as well as spectroscopic studies on the interaction between Tb(III) complex and bovine serum albumin. <b>2012</b> , 1010, 116-122	18
1383	Macrocyclic nickel(II) complexes: Synthesis, characterization, superoxide scavenging activity and DNA-binding. <b>2012</b> , 1015, 56-66	27
1382	Synthesis of Aryl-1,2,4,5-tetrazinane-3-thiones, in vitro DNA binding studies, nuclease activity and its antimicrobial activity. <b>2012</b> , 1020, 33-40	11
1381	Mononuclear copper(II) complex with terpyridine and an extended phenanthroline base, [Cu(tpy)(dppz)] <sup>2+</sup> : Synthesis, crystal structure, DNA binding and cytotoxicity activity. <b>2012</b> , 31, 638-648	68
1380	Binuclear ruthenium(II) polypyridyl complexes: DNA cleavage and mitochondria mediated apoptosis induction. <b>2012</b> , 36, 45-55	19
1379	DNA- and RNA-binding and enhanced DNA-photocleavage properties of a ferrocenyl-containing ruthenium(II) complex. <b>2012</b> , 107, 104-10	33
1378	Synthesis, DNA binding, photo-induced DNA cleavage and cell cytotoxicity studies of a family of light rare earth complexes. <b>2012</b> , 109, 90-6	37
1377	Investigation of three flavonoids binding to bovine serum albumin using molecular fluorescence technique. <b>2012</b> , 132, 132-140	40
1376	Study on the interaction between tabersonine and human serum albumin by optical spectroscopy and molecular modeling methods. <b>2012</b> , 132, 592-599	10
1375	Synthesis of p-hydroxycinnamic acid derivatives and investigation of fluorescence binding with bovine serum albumin. <b>2012</b> , 132, 1290-1298	17
1374	Specific binding of a dihydropyrimidinone derivative with DNA: Spectroscopic, calorimetric and modeling investigations. <b>2012</b> , 132, 1656-1662	19
1373	Spectroscopic study on the interaction of eugenol with salmon sperm DNA in vitro. <b>2012</b> , 132, 2355-2360	66
1372	Synthesis, crystal structure, and interaction with DNA of a novel coordination polymer: {[Cd(Pmal)(Bipy)] $\cdot$ 4H <sub>2</sub> O} n. <b>2012</b> , 38, 325-330	3
1371	Chiral ruthenium complexes induce apoptosis of tumor cell and interact with bovine serum albumin. <b>2012</b> , 24, 174-80	6
1370	Oligotriphenylene Nanofiber Sensors for Detection of Nitro-Based Explosives. <b>2012</b> , 22, 726-735	74
1369	A copper(II) complex of the Schiff base from l-valine and 2-hydroxy-1-naphthalidene plus 1,10-phenanthroline: synthesis, crystal structure, and DNA interaction. <b>2012</b> , 37, 175-182	20
1368	Spectroscopic and molecular modeling studies of the interaction between 4'-O-( $\beta$ -oleandrosyl)daunorubicin and human serum albumin and its analytical application. <b>2012</b> , 22, 111-9	6
1367	Binding of engeletin with bovine serum albumin: insights from spectroscopic investigations. <b>2012</b> , 22, 511-9	15

1366	Investigation on Interaction and Sonodynamic Activity of Chlorophyll-Magnesium-Metronidazole (Chl-Mg-MTZ) with Bovine Serum Albumin (BSA) in Aqueous Solution. <b>2012</b> , 41, 112-129	1
1365	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. <b>2012</b> , 41, 351-366	23
1364	Probing the Interaction Between a Surfactant-Cobalt(III) Complex and Bovine Serum Albumin. <b>2012</b> , 41, 294-306	9
1363	Novel palladium(II) complexes containing a sulfur ligand: structure and biological activity on HeLa cells. <b>2012</b> , 17, 263-74	12
1362	Interaction of cyproheptadine hydrochloride with human serum albumin using spectroscopy and molecular modeling methods. <b>2013</b> , 28, 244-52	7
1361	Interaction mechanism of Trp-Arg dipeptide with calf thymus DNA. <b>2013</b> , 23, 921-7	12
1360	Synthesis, DNA-binding, cytotoxicity, photo cleavage, antimicrobial and docking studies of Ru(II) polypyridyl complexes. <b>2013</b> , 23, 897-908	30
1359	Molecular insight into the inhibition mechanism of cyrtominetin to Hemolysin by molecular dynamics simulation. <b>2013</b> , 62, 320-8	33
1358	Spectroscopic Studies on the Interaction Between Troxerutin and Bovine Hemoglobin. <b>2013</b> , 42, 1169-1182	9
1357	Nucleic Acid Binding Behavior and Cytotoxicity Properties of a Ruthenium(II) Polypyridyl Complex. <b>2013</b> , 42, 991-1004	2
1356	Interaction of artemisinin and its derivatives with human serum albumin studied using spectroscopies and molecular modeling methods. <b>2013</b> , 40, 4791-804	18
1355	Comparative study of the interactions between ovalbumin and three alkaloids by spectrofluorimetry. <b>2013</b> , 40, 3409-18	46
1354	Studies on the interaction mechanism between CXS and papain by spectroscopic and molecular modeling methods. <b>2013</b> , 39, 1257-1267	2
1353	A Schiff base bis(N-salicylidene)-3-oxapentane-1,5-diamine and its yttrium(III) complex: synthesis, crystal structure, DNA-binding properties, and antioxidant activities. <b>2013</b> , 66, 2634-2646	36
1352	Synthesis, characterization, and DNA binding, photocleavage, cytotoxicity, cellular uptake, apoptosis, and on-off light switching studies of Ru(II) mixed-ligand complexes containing 7-fluorodipyrido[3,2-a:2',3'-c]phenazine. <b>2013</b> , 18, 751-66	48
1351	Synthesis, crystal structure and interaction of L-valine Schiff base divanadium(V) complex containing a V2O3 core with DNA and BSA. <b>2013</b> , 106, 155-62	36
1350	Spectroscopic studies on the interaction of carteolol hydrochloride and urea-induced bovine serum albumin. <b>2013</b> , 113, 447-51	8
1349	New modulated design and synthesis of quercetin-Cu(II)/Zn(II)-Sn2(IV) scaffold as anticancer agents: in vitro DNA binding profile, DNA cleavage pathway and Topo-I activity. <b>2013</b> , 42, 10029-41	69



1348	Synthesis, characterization and in vitro DNA binding of chromone Schiff base organotin(IV) complexes. <b>2013</b> , 743, 55-62	36
1347	New uses for old drugs: attempts to convert quinolone antibacterials into potential anticancer agents containing ruthenium. <b>2013</b> , 52, 9039-52	94
1346	Copper(II) interacting with the non-steroidal antiinflammatory drug flufenamic acid: structure, antioxidant activity and binding to DNA and albumins. <b>2013</b> , 123, 53-65	116
1345	Study on the interaction between a water-soluble dinuclear nickel complex and bovine serum albumin by spectroscopic techniques. <b>2013</b> , 26, 827-38	18
1344	Norfloxacin Zn(II)-based complexes: acid base ionization constant determination, DNA and albumin binding properties and the biological effect against Trypanosoma cruzi. <b>2013</b> , 26, 813-25	16
1343	Interaction of carbon nanoparticles to serum albumin: elucidation of the extent of perturbation of serum albumin conformations and thermodynamical parameters. <b>2013</b> , 248-249, 238-45	37
1342	Pulse-Shape Discrimination in High-Symmetry Organic Scintillators. <b>2013</b> , 60, 3142-3149	5
1341	Gold nanoparticles alter Taq DNA polymerase activity during polymerase chain reaction. <b>2013</b> , 3, 20793	11
1340	Synthesis, characterization, and DNA-binding of two new Cd(II) complexes with 8-[(2-pyridylmethyl)amino]-quinoline. <b>2013</b> , 66, 3280-3290	15
1339	A combined spectroscopic, molecular docking and molecular dynamic simulation study on the interaction of quercetin with $\beta$ -casein nanoparticles. <b>2013</b> , 127, 100-7	56
1338	A spectral deciphering the perturbation of model transporter protein (HSA) by antibacterial pyrimidine derivative: pharmacokinetic and biophysical insights. <b>2013</b> , 118, 1-8	31
1337	Probing the molecular interaction of triazole fungicides with human serum albumin by multispectroscopic techniques and molecular modeling. <b>2013</b> , 61, 7203-11	57
1336	Synthesis, crystal structures, and DNA-binding properties of zinc(II) and nickel(II) complexes with tris[2-(N-ethyl)benzimidazolymethyl]amine and cinnamate ligands. <b>2013</b> , 38, 553-561	4
1335	Polypyridyl Ni(II) complex, [Ni(tppz) <sub>2</sub> ] <sup>2+</sup> : Structure, DNA- and BSA binding and molecular modeling. <b>2013</b> , 65, 16-30	23
1334	Antimicrobial, anticancer and DNA binding studies of transition metal(II) complexes containing 2-phenyl-4-selenazole carboxylic acid. <b>2013</b> , 56, 588-594	6
1333	Synthesis, DNA binding, photo-induced DNA cleavage, cytotoxicity studies of a family of heavy rare earth complexes. <b>2013</b> , 127, 39-45	17
1332	Binding analysis for interaction of diacetylcurcumin with $\beta$ -casein nanoparticles by using fluorescence spectroscopy and molecular docking calculations. <b>2013</b> , 115, 629-35	18
1331	Synthesis and fluorescence properties of Tb(III) complex with a novel aromatic carboxylic acid (L) as well as spectroscopic studies on the interaction between Tb(III) complex and bovine serum albumin. <b>2013</b> , 136, 68-74	14



1330	Binding properties of Ru(II) polypyridyl complexes with poly(U)*poly(A)*poly(U) triplex: the ancillary ligand effect on third-strand stabilization. <b>2013</b> , 18, 71-80	13
1329	Synthesis, crystal structure, and biological activity of a nickel(II) complex constructed by 2-phenyl-4-selenazole carboxylic acid and 1,10-phenanthroline. <b>2013</b> , 66, 2605-2614	19
1328	Exploring the mechanism of interaction between sulindac and human serum albumin: Spectroscopic and molecular modeling methods. <b>2013</b> , 138, 8-14	19
1327	Characterization of 6-mercaptopurine binding to bovine serum albumin and its displacement from the binding sites by quercetin and rutin. <b>2013</b> , 135, 164-169	37
1326	Synthesis, DNA recognition and cleavage studies of novel tetrapeptide complexes, Cu(II)/Zn(II)-Ala-Pro-Ala-Pro. <b>2013</b> , 108, 151-8	6
1325	Spectroscopic studies on the interaction characteristics between norethisterone and bovine serum albumin. <b>2013</b> , 134, 580-587	6
1324	Influence of carboxylic acid functionalities in ruthenium (II) polypyridyl complexes on DNA binding, cytotoxicity and antioxidant activity: synthesis, structure and in vitro anticancer activity. <b>2013</b> , 59, 253-64	48
1323	A sensitive electrochemical chlorophenols sensor based on nanocomposite of ZnSe quantum dots and cetyltrimethylammonium bromide. <b>2013</b> , 804, 76-83	50
1322	Studies on Interaction of Polysaccharide-Templated Silver Nanoparticles with Bovine Serum Albumin. <b>2013</b> , 23, 1383-1388	4
1321	Synthesis, characterization, DNA-binding, photocleavage, cytotoxicity and docking studies of Co(III) mixed ligand complexes. <b>2013</b> , 38, 811-819	6
1320	Studies on the interactions of bioactive quinone avarone and its methylamino derivatives with calf thymus DNA. <b>2013</b> , 62, 405-10	12
1319	Nuclease activity of redox/non-redox active binuclear transition metal mixed-polypyridine complexes: [M <sub>2</sub> (1,4-tpbd)(diimine) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>4+</sup> , M = Zn, Co, Ni, Cd, diimine = phen, bpy, dafo. <b>2013</b> , 66, 4237-4254	11
1318	Zinc(II) complexes of Pro-Gly and Pro-Leu dipeptides: synthesis, characterization, in vitro DNA binding and cleavage studies. <b>2013</b> , 126, 78-86	10
1317	Design and synthesis of (S)- and (R)-enantiomers of [4-(2-hydroxy-1-phenylethylimino)pent-2-ol]dimethyltin(IV) and 2,2-dimethyl-4-phenyl-1,3,2-oxazastannolidine: in vitro antitumor activity against human tumor cell lines and in vivo assay of (S)-enantiomers. <b>2013</b> , 42, 3330-3341	29
1316	Mononuclear copper(II) complexes with a tetradentate pyrazole based ligand: Syntheses, structures, DNA binding study and antimicrobial activity. <b>2013</b> , 63, 147-155	23
1315	Synthesis and biological studies of steroidal pyran based derivatives. <b>2013</b> , 129, 36-47	16
1314	Experimental and molecular modeling studies on the interaction of the Ru(II)-piroxicam with DNA and BSA. <b>2013</b> , 69, 577-90	29
1313	Characterization of the interaction between eupatorin and bovine serum albumin by spectroscopic and molecular modeling methods. <b>2013</b> , 14, 14185-203	88

1312	Synthesis, nucleic acid binding, anticancer and antimicrobial activities of polymer-copper(II) complexes containing intercalative phenanthroline ligand(DPQ). <b>2013</b> , 3, 16456	41
1311	Structure, DNA- and albumin-binding of the manganese(II) complex with the non-steroidal antiinflammatory drug niflumic acid. <b>2013</b> , 53, 215-222	36
1310	Imidazolium-based 1,1'-bi-2-naphthol fluorescent probe for ratiometric and selective detection of DNA in water. <b>2013</b> , 5, 5903	4
1309	Binding interaction of hypocrellin B to myoglobin: a spectroscopic and computational study. <b>2013</b> , 115, 337-44	5
1308	Photophysical Characterization and $\eta$ -Type Delayed Luminescence of Rapidly Prepared Au Clusters. <b>2013</b> , 117, 16650-16657	10
1307	Study of the Interaction between Bovine Serum Albumin and Ligustrazine with Spectroscopic Techniques. <b>2013</b> , 46, 211-217	2
1306	Chiral heterobimetallic complexes targeting human DNA-topoisomerase II $\beta$ . <b>2013</b> , 42, 16749-61	41
1305	Synthesis, crystal structure, and DNA interaction of magnesium(II) complexes with Schiff bases. <b>2013</b> , 66, 1933-1944	13
1304	Intrinsic evaluation of n/uv-discrimination in organic plastic scintillators. <b>2013</b> ,	0
1303	Sonodynamic and sonocatalytic damage of BSA molecules by Cresol Red, Cresol Red-DA and Cresol Red-DA-Fe under ultrasonic irradiation. <b>2013</b> , 20, 685-95	9
1302	Studies on the nuclease activity and interactions of the mixed-polypyridyl [Ni2(1,3-tpbd)(diimine)2(H2O)2]4+ complexes with thioredoxin reductase. <b>2013</b> , 27, 89-97	7
1301	Synthesis, characterization, interaction with DNA and cytotoxicity of Pd(II) and Pt(II) complexes containing pyridine carboxylic acid ligands. <b>2013</b> , 42, 3957-67	28
1300	Photophysical behavior of poly(propyl ether imine) dendrimer in the presence of nitroaromatic compounds. <b>2013</b> , 253, 1-6	6
1299	Design, synthesis and crystal structure determination of dinuclear copper-based potential chemotherapeutic drug entities; in vitro DNA binding, cleavage studies and an evaluation of genotoxicity by micronucleus test and comet assay. <b>2013</b> , 4, 394-405	31
1298	Binding of isoquinoline alkaloids berberine, palmatine and coralyne to hemoglobin: structural and thermodynamic characterization studies. <b>2013</b> , 9, 143-53	67
1297	Studies on the interaction of -epigallocatechin-3-gallate from green tea with bovine $\beta$ -lactoglobulin by spectroscopic methods and docking. <b>2013</b> , 66, 7-13	45
1296	Synthesis, crystal structure, DNA interaction and anticancer activity of tridentate copper(II) complexes. <b>2013</b> , 119, 43-53	96
1295	Cobalt(II), Nickel(II) and Copper(II) complexes of a tetradentate Schiff base as photosensitizers: Quantum yield of $^{1}O_2$ generation and its promising role in anti-tumor activity. <b>2013</b> , 101, 132-9	32

1294	Studies on interaction and illumination damage of CS-Fe <sub>3</sub> O <sub>4</sub> @ZnS:Mn to bovine serum albumin. <b>2013</b> , 15, 1	7
1293	Regulation of amantadine hydrochloride binding with IIA subdomain of human serum albumin by fatty acid chains. <b>2013</b> , 102, 84-92	11
1292	Synthesis and mechanistic insight of glycosylated CuI/NiII $\beta$ n2IV heterobimetallic DNA binding agents: Validation of a specific CuI $\beta$ n2IV chemotherapeutic agent for human leukemic cell line K-562. <b>2013</b> , 745-746, 226-234	10
1291	Interaction between lysozyme and procyanidin: multilevel structural nature and effect of carbohydrates. <b>2013</b> , 138, 1596-603	58
1290	Comparing the interaction of vanadyl-hypocrellin A complex and hypocrellin A with CT DNA. <b>2013</b> , 1036, 127-132	3
1289	Study of the interaction between bovine hemoglobin and analogs of biphenyldicarboxylate by spectrofluorimetry. <b>2013</b> , 144, 79-86	16
1288	Investigation of the association behaviors between bovine serum albumin and 2-(4-methylphenyl)-3-(N-acetyl)-5-(2,4-dichlorophenoxy)methyl-1,3,4-oxodiazoline. <b>2013</b> , 111, 260-5	
1287	Study of the interaction between 5-sulfosalicylic acid and bovine serum albumin by fluorescence spectroscopy. <b>2013</b> , 134, 747-753	41
1286	Synthesis of biological active thiosemicarbazone and characterization of the interaction with human serum albumin. <b>2013</b> , 134, 491-497	10
1285	Synthesis, interaction with DNA, cytotoxicity, cell cycle arrest and apoptotic inducing properties of ruthenium(II) molecular "light switch" complexes. <b>2013</b> , 64, 410-21	63
1284	Investigation of the interaction between indigotin and two serum albumins by spectroscopic approaches. <b>2013</b> , 3, 257-269	27
1283	Probing the interaction of human serum albumin with vitamin B2 (riboflavin) and L-Arginine (L-Arg) using multi-spectroscopic, molecular modeling and zeta potential techniques. <b>2013</b> , 136, 150-159	25
1282	Structure, antimicrobial activity, DNA- and albumin-binding of manganese(II) complexes with the quinolone antimicrobial agents oxolinic acid and enrofloxacin. <b>2013</b> , 121, 88-99	76
1281	Molecular recognition of floral volatile with two olfactory related proteins in the Eastern honeybee ( <i>Apis cerana</i> ). <b>2013</b> , 56, 114-21	25
1280	Synthesis, structure, interaction with DNA and cytotoxicity of a luminescent copper(II) complex with a hydrazone ligand. <b>2013</b> , 51, 228-234	27
1279	Synthesis, characterization and in vitro DNA binding and cleavage studies of Cu(II)/Zn(II) dipeptide complexes. <b>2013</b> , 121, 75-85	51
1278	Impact of metal on the DNA photo-induced cleavage activity of a family of Phterpy complexes. <b>2013</b> , 122, 49-56	18
1277	First- and second-generation quinolone antibacterial drugs interacting with zinc(II): structure and biological perspectives. <b>2013</b> , 121, 53-65	80

1276	Interaction of short peptides with FITC-labeled wheat histones and their complexes with deoxyribooligonucleotides. <b>2013</b> , 78, 166-75	9
1275	Synthesis, Crystal Structures, and DNA-Binding Properties of a Ternary Cadmium(II) Complex With Tripod Ligand Tris(2-benzimidazolymethyl)amine and Cinnamate. <b>2013</b> , 43, 237-242	3
1274	Evaluation of DNA-binding, radical scavenging and cytotoxic activity of five coordinated Cd(II) complexes containing 2-acetylpyridine-N4-substituted thiosemicarbazone. <b>2013</b> , 3, 11647	30
1273	A Chloro-Bridged Heterobimetallic ( $\eta^5$ -Arene)rutheniumOrganotin Complex as an Efficient Topoisomerase Inhibitor. <b>2013</b> , 32, 2546-2551	37
1272	ctDNA binding affinity and in vitro antitumor activity of three Keggin type polyoxotungstates. <b>2013</b> , 124, 27-33	25
1271	Interaction between diethylstilbestrol and bovine serum albumin. <b>2013</b> , 144, 739-746	4
1270	Synthesis and structure of a new tetracopper(II) complex bridged both by oxamido and phenolato groups: Cytotoxic activity, and reactivity towards DNA and BSA. <b>2013</b> , 1039, 28-36	7
1269	Fluorescence Investigation on the Interaction of a Prevalent Competitive Fluorescent Probe with Entomic Odorant Binding Protein. <b>2013</b> , 46, 527-534	5
1268	Interaction of carboxylated single-walled carbon nanotubes with bovine serum albumin. <b>2013</b> , 105, 45-51	47
1267	Discovery of a new class of natural product-inspired quinazolinone hybrid as potent antileishmanial agents. <b>2013</b> , 56, 4374-92	103
1266	Interactions between U(VI) and bovine serum albumin. <b>2013</b> , 298, 903-908	12
1265	Synthesis, characterization, crystal structure and BSA binding studies of two novel copper(II) complexes: [trans-Cu(en) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ](p-methoxycinnamate) <sub>2</sub> and [trans-Cu(en) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ](p-nitrocinnamate) <sub>2</sub> ·2H <sub>2</sub> O. <b>2013</b> , 56, 34-43	18
1264	A method to encapsulate molecular cargo within DNA icosahedra. <b>2013</b> , 991, 65-80	4
1263	DNA/RNA binding and anticancer/antimicrobial activities of polymer-copper(II) complexes. <b>2013</b> , 109, 23-31	27
1262	Systematic investigation of the toxic mechanism of difenoconazole on protein by spectroscopic and molecular modeling. <b>2013</b> , 105, 155-160	12
1261	Synthesis, characterization, and cytotoxicity studies of a novel palladium(II) complex and evaluation of DNA-binding aspects. <b>2013</b> , 32, 366-88	12
1260	DNA binding, DNA cleavage and BSA interaction of a mixed-ligand copper(II) complex with taurine Schiff base and 1,10-phenanthroline. <b>2013</b> , 125, 56-62	84
1259	Two copper complexes from two novel naphthalene-sulfonyl-triazole ligands: different nuclearity and different DNA binding and cleavage capabilities. <b>2013</b> , 125, 50-63	15

1258	Interactions of CT-DNA with Hypocrellin A and its Al(3+)-Hypocrellin A complex. <b>2013</b> , 109, 158-63	8
1257	Synthesis, crystal structure, DNA-binding properties and antioxidant activity of zinc(II) complexes based on the V-shaped bis(2-benzimidazol-2-ylmethyl)benzylamine ligand and its derivative. <b>2013</b> , 404, 13-22	15
1256	The V-shaped ligand bis(N-allylbenzimidazol-2-ylmethyl)benzylamine and its Ag(I) complex: synthesis, crystal structure, DNA-binding properties and antioxidation. <b>2013</b> , 122, 37-44	29
1255	Bis- and tris(2,3-dihydro-4a,12b-(epoxyethanoxy)[1,4]dioxino[2,3-f][1,10]phenanthroline) complexes of Ru(II): Synthesis, structure and DNA binding properties. <b>2013</b> , 1040, 98-111	11
1254	Ni(II) complexes with non-steroidal anti-inflammatory drug diclofenac: Structure and interaction with DNA and albumins. <b>2013</b> , 61, 126-136	49
1253	Electrogenerated chemiluminescence of solutions, films, and nanoparticles of dithienylbenzothiadiazole-based donor-acceptor-donor red fluorophore. Fluorescence quenching study of organic nanoparticles. <b>2013</b> , 135, 8868-73	33
1252	Chiral discrimination and interaction mechanism between enantiomers and serum albumins. <b>2013</b> , 26, 161-4	2
1251	Spectroscopic studies on the interaction between tetrandrine and two serum albumins by chemometrics methods. <b>2013</b> , 115, 92-105	78
1250	Mononuclear Co(III) and Ni(II) complexes with polypyridyl ligands, [Co(phen)2(taptp)]3+ and [Ni(phen)2(taptp)]2+: synthesis, photocleavage and DNA-binding. <b>2013</b> , 23, 259-64	13
1249	Exploring the binding mechanism of phosphoramidate derivative with DNA: spectroscopy, calorimetry and modeling. <b>2013</b> , 104, 492-6	9
1248	DNA binding properties and biological evaluation of dihydropyrimidinones derivatives as potential antitumor agents. <b>2013</b> , 114, 214-9	6
1247	Synthesis, structural characterization, DNA binding studies and antitumor properties of tin(II)-oxydiacetate complexes containing E-diimine as auxiliary ligand. <b>2013</b> , 125, 171-8	13
1246	Nickel(II) complexes with Schiff bases derived from 2-acetylpyrazine and tryptophan: synthesis, crystal structures and DNA interactions. <b>2013</b> , 38, 463-471	8
1245	Synthesis, crystal structure, DNA- and albumin-binding properties of a chromium(III) complex with 1,10-phenanthroline and a Schiff base derived from glycine. <b>2013</b> , 38, 441-448	33
1244	Synthesis, characterization, and biological properties of N-phenolato-N-(3-dimethylaminopropyl)oxamide and its binuclear copper(II) complexes. <b>2013</b> , 38, 69-78	8
1243	Binding of aquo-ethylenediaminetetraacetatoruthenium(III) to apo-transferrin. Fluorescence, antiproliferative and in silico studies. <b>2013</b> , 404, 1-4	4
1242	Interaction of mononuclear nickel(II) enantiomers, [Ni(dipyrido[3,2-a:2',3'-c]phenazine)]2+ and [Ni(bis(1,10-phenanthroline))]2+ (dipyrido[3,2-a:2',3'-c]phenazine)nickel(II) chloride, with calf thymus DNA. <b>2013</b> , 400, 82-90	2
1241	Root exudates from sunflower ( <i>Helianthus annuus</i> L.) show a strong adsorption ability toward Cd(II). <b>2013</b> , 8, 263-270	13

- 1240 Synthesis, crystal structure, interaction with DNA, and cytotoxicity in vitro of a new mixed ligand-nickel complex: [Ni(DBMA)(en)(H<sub>2</sub>O)<sub>3</sub>] $\cdot$ 3H<sub>2</sub>O. **2013**, 66, 3004-3013 5
- 1239 Exploring DNA binding properties and biological activities of dihydropyrimidinones derivatives. **2013**, 106, 28-36 19
- 1238 Preliminary investigation on the relationship of Raman spectra of sheep meat with shear force and cooking loss. **2013**, 93, 138-43 56
- 1237 Synthesis, crystal structure, and DNA interaction of an oxovanadium(IV) complex containing L-valine Schiff base and 1,10-phenanthroline. **2013**, 66, 520-529 13
- 1236 Synthesis, characterization, DNA interaction, cytotoxicity, and apoptosis induction of a mixed-ligand copper(II) complex. **2013**, 66, 3891-3905 16
- 1235 Deuterium oxide dilution: a novel method to study apical water layers and transepithelial water transport. **2013**, 85, 4247-50 15
- 1234 Synthesis, crystal structure and nuclease activity of a Cu(II) complex having two different co-ordination geometries in the same unit cell. **2013**, 1047, 66-72 5
- 1233 Role of the metal sites of a heterobimetallic trinuclear complex on DNA binding and cleavage activities. **2013**, 66, 2178-2190
- 1232 Syntheses, characterizations and bioactivities on HeLa cells and KB cells of two dinuclear manganese complexes with carboxylate bridges. **2013**, 66, 1945-1958 6
- 1231 Effect of perfluorooctane sulfonate on the conformation of wheat germ acid phosphatase. **2013**, 91, 577-82 2
- 1230 Determination of acetamiprid partial-intercalative binding to DNA by use of spectroscopic, chemometrics, and molecular docking techniques. **2013**, 405, 8871-83 17
- 1229 A selective carbazole-based fluorescent probe for chromium(III). **2013**, 5, 5549 21
- 1228 Synthesis, Crystal Structure, DNA-binding Properties and Antioxidant Activities of a Lutetium(III) Complex with the Bis(N-salicylidene)-3- oxapentane-1,5-diamine Ligand. **2013**, 68, 257-266 25
- 1227 Protein and Peptide Formulation Development. **2013**, 1-44
- 1226 DNA Binding and Oxidative Cleavage by a Water-soluble Carboxyl Manganese(III) Corrole. **2013**, 31, 1321-1328 15
- 1225 Combined multispectroscopic and molecular docking investigation on the interaction between strictosamide and human serum albumin. **2013**, 28, 482-9 8
- 1224 Synthesis, structure, spectroscopic, and DNA binding properties of Co(III) and Ni(II) complexes with ((E)-2-(amino((pyridin-2-ylmethylene)amino)methylene)maleonitrile). **2013**, 66, 2465-2476 5
- 1223 Investigation of the interaction between Epigallocatechin-3-gallate with trypsin and Bthymotrypsin. **2013**, 48, n/a-n/a 5

1222	Spectroscopic Investigation on the Binding of the Antitumoral Pd(II) Complex to Human Serum Albumin. <b>2013</b> , 60, 133-139	9
1221	Interaction Between Neuroglobin and Caffeine by Multispectroscopic Methods. <b>2013</b> , 46, 433-440	2
1220	Apocynin: chemical and biophysical properties of a NADPH oxidase inhibitor. <b>2013</b> , 18, 2821-39	84
1219	Comparative Studies on the Interaction of Cochinchinenin A and Loureirin B with Bovine Serum Albumin. <b>2013</b> , 2013, 1-9	1
1218	Spectroscopic Investigations of Pentobarbital Interaction with Transthyretin. <b>2013</b> , 2013, 1-10	2
1217	Determination of LMF binding site on a HSA-PPIX complex in the presence of human holo transferrin from the viewpoint of drug loading on proteins. <b>2014</b> , 9, e84045	55
1216	Interaction of Hyperoside with Human Serum Albumin and Effect of Glucose on the Binding. <b>2014</b> , 2014, 1-9	2
1215	Cu(II) Complexes of Isoniazid Schiff Bases: DNA/BSA Binding and Cytotoxicity Studies on A549 Cell Line. <b>2014</b> , 2014, 1-14	18
1214	Synthesis, Characterization, and DNA Binding Studies of a Nickel(II) Complex Containing the 1,3-Bis(1-propylbenzimidazol-2-yl)-2-oxapropane. <b>2014</b> , 61, 875-880	2
1213	Synthesis, Characterisation, Interaction with DNA, Cytotoxicity, and Apoptotic Studies of Ruthenium(II) Polypyridyl Complexes. <b>2014</b> , 67, 225	7
1212	Preparation, Structure, DNA-Binding Properties, and Antioxidant Activities of a Homodinuclear Erbium(III) Complex with a Pentadentate Schiff Base Ligand. <b>2014</b> , 38, 211-217	74
1211	Fluorescence Spectroscopy Study on the Interaction of Acetal Cleavable Anionic Surfactants and Bovine Serum Albumin. <b>2014</b> , 2014, 1-6	3
1210	Investigation of the fluorescence quenching of 1-aminoanthracene by dissolved oxygen in cyclohexane. <b>2014</b> , 118, 11512-20	5
1209	Spectroscopic analysis on the interaction of ferulic acid and tetramethylpyrazine with trypsin. <b>2014</b> , 29, 79-86	14
1208	DNA binding and nuclease activity of cationic iron(IV) and manganese(III) corrole complexes. <b>2014</b> , 28, 559-566	12
1207	Study on the binding of chlorogenic acid to pepsin by spectral and molecular docking. <b>2014</b> , 29, 715-21	27
1206	Synthesis and DNA Cleavage Properties of Triazacrown Derivatives. <b>2014</b> , 32, 142-150	5
1205	Synthesis, crystal structure, DNA cleavage properties, and protein binding activities of an unsymmetrical dinuclear copper(II) complex. <b>2014</b> , 67, 300-314	6



1204	Binding characteristics and interactive region of 2-phenylpyrazolo[1,5-c]quinazoline with DNA. <b>2014</b> , 29, 1141-7	9
1203	Synthesis, Crystal Structure, and DNA-Binding Properties of a Cadmium(II) Complex With the Bis(2-benzimidazolymethyl)amine Ligand. <b>2014</b> , 44, 733-738	4
1202	Synthesis, crystal structures, DNA binding and cleavage properties and protein binding activities of three mononuclear cobalt(II) complexes. <b>2014</b> , 28, 259-266	16
1201	Determination of chromium(III) in aqueous solution using CePO <sub>4</sub> :Tb(3+) nanocrystals in a fluorescence resonance energy transfer system. <b>2014</b> , 29, 642-8	9
1200	Optical methods for sensing and imaging oxygen: materials, spectroscopies and applications. <b>2014</b> , 43, 3666-761	705
1199	The binding mechanism of lecithin to soybean 11S and 7S globulins using fluorescence spectroscopy. <b>2014</b> , 23, 1785-1791	29
1198	Synthesis, Characterization, DNA Interaction, and Antitumor Activities of La (III) Complex with Schiff Base Ligand Derived from Kaempferol and Diethylenetriamine. <b>2014</b> , 2014, 354138	13
1197	A review on structure-affinity relationship of dietary flavonoids with serum albumins. <b>2014</b> , 32, 1132-47	61
1196	Synthesis, characterization, DNA binding and cleavage, HSA interaction and cytotoxicity of a new copper(II) complex derived from 2-(2'-pyridyl)benzothiazole and glycylglycine. <b>2014</b> , 276, 83-95	59
1195	Specific binding and inhibition of 6-benzylaminopurine to catalase: multiple spectroscopic methods combined with molecular docking study. <b>2014</b> , 123, 327-35	21
1194	The interaction of plant-growth regulators with serum albumin: molecular modeling and spectroscopic methods. <b>2014</b> , 67, 123-30	20
1193	Study on synthesis, crystal structure, antioxidant and DNA-binding of mono-, di- and poly-nuclear lanthanides complexes with bis(N-salicylidene)-3-oxapentane-1,5-diamine. <b>2014</b> , 135, 33-43	88
1192	Interaction of amidated single-walled carbon nanotubes with protein by multiple spectroscopic methods. <b>2014</b> , 145, 125-131	18
1191	Origin of tryptophan fluorescence lifetimes. Part 2: fluorescence lifetimes origin of tryptophan in proteins. <b>2014</b> , 24, 105-17	34
1190	Analysis of binding interaction between vitamin B2 and trypsin. <b>2014</b> , 40, 3135-3144	3
1189	DNA-binding and cleavage, cytotoxicity properties of Ru(II) complexes with 2-(4'-chloro-phenyl)imidazo[4,5-f][1,10]phenanthroline, ligand and their light switch effect. <b>2014</b> , 23, 224-235	7
1188	Synthesis, Crystal Structure and DNA Interaction of a Novel Three-Nuclear Cobalt(II) Complex with Schiff Base Derived from 4-Chloroanthranilic Acid and 2,4-Dihydroxybenzaldehyde. <b>2014</b> , 24, 582-590	8
1187	Synthesis, CMC Determination, Antimicrobial Activity and Nucleic Acid Binding of A Surfactant Copper(II) Complex Containing Phenanthroline and Alanine Schiff-Base. <b>2014</b> , 24, 589-98	18



1186	Water-soluble DNA minor groove binders as potential chemotherapeutic agents: synthesis, characterization, DNA binding and cleavage, antioxidation, cytotoxicity and HSA interactions. <b>2014</b> , 43, 8721-37	103
1185	Synthesis and structure elucidation of a cobalt(II) complex as topoisomerase I inhibitor: in vitro DNA binding, nuclease and RBC hemolysis. <b>2014</b> , 74, 683-93	33
1184	Synthesis, structural characterization, in vitro cytotoxicities, DNA-binding and BSA interaction of diorganotin (IV) complexes derived from hydrazone Schiff base. <b>2014</b> , 759, 83-91	36
1183	Determination of picogram quantities of chlortoluron in soil samples by luminol-chitosan chemiluminescence system. <b>2014</b> , 21, 7204-10	5
1182	Synthesis, characterization, DNA binding studies, photocleavage, cytotoxicity and docking studies of ruthenium(II) light switch complexes. <b>2014</b> , 24, 169-81	14
1181	Comparison of nuclease activities of redox active and inactive binuclear mixed-polypyridyl complexes: zinc(II)/H <sub>2</sub> O <sub>2</sub> and cadmium(II)/H <sub>2</sub> O <sub>2</sub> systems display efficient nuclease activities. <b>2014</b> , 39, 299-310	2
1180	An oxovanadium(IV) complex of an L-serine Schiff base and 1,10-phenanthroline: synthesis, crystal structure, and DNA and albumin-binding properties. <b>2014</b> , 39, 271-280	10
1179	Synthesis, crystal structures, antioxidant activities and DNA-binding studies of two manganese(II) complexes with 1,3-bis(1-ethylbenzimidazol-2-yl)-2-oxopropane ligands. <b>2014</b> , 39, 261-270	15
1178	Spectroscopic Studies on Binding of Lotus Seedpod Oligomeric Procyanidins to Bovine Serum Albumin. <b>2014</b> , 80, 884-892	5
1177	Cellular uptake, cytotoxicity, apoptosis and DNA-binding investigations of Ru(II) complexes. <b>2014</b> , 72, 160-9	26
1176	New modulated design, docking and synthesis of carbohydrate-conjugate heterobimetallic CuI-SnIV complex as potential topoisomerase II inhibitor: in vitro DNA binding, cleavage and cytotoxicity against human cancer cell lines. <b>2014</b> , 74, 694-702	16
1175	Synthesis, structure, DNA binding, cleavage and biological activity of cobalt (III) complexes derived from triethylenetetramine and 1,10 phenanthroline ligands. <b>2014</b> , 416, 93-101	17
1174	Synthesis, crystal structures, DNA binding and photoluminescence properties of [Cu(pzta) <sub>2</sub> Cl]Cl·H <sub>2</sub> O for DNA detection. <b>2014</b> , 128, 614-21	5
1173	DNA/protein binding and cytotoxicity studies of copper(II) complexes containing N,N',N''-trisubstituted guanidine ligands. <b>2014</b> , 4, 17179	32
1172	Synthesis and characterization of Cu(II)-based anticancer chemotherapeutic agent targeting topoisomerase II in vitro DNA binding, pBR322 cleavage, molecular docking studies and cytotoxicity against human cancer cell lines. <b>2014</b> , 74, 509-23	39
1171	Synthesis, spectroscopic characterization and antimicrobial activity of binuclear metal complexes of a new asymmetrical Schiff base ligand: DNA binding affinity of copper(II) complexes. <b>2014</b> , 117, 127-37	111
1170	Picolinic acid based Cu(II) complexes with heterocyclic bases--crystal structure, DNA binding and cleavage studies. <b>2014</b> , 79, 117-27	46
1169	Mono- and polynuclear copper(II) complexes based on 2,4,6-tris(2-pyridyl)-1,3,5-triazine and its hydrolyzed form. <b>2014</b> , 416, 109-121	24

1168	Interaction of human serum albumin with Fe(III) deferasirox studied by multispectroscopic methods. <b>2014</b> , 149, 251-257	18
1167	Synthesis, crystal structure, DNA binding and molecular docking studies on new copper(II) salicylate [Cu(DTBSA)2(2,2'-bpy)](dmf). <b>2014</b> , 46, 54-59	25
1166	Facile synthesis of N-acetyl-L-cysteine capped CdHgSe quantum dots and selective determination of hemoglobin. <b>2014</b> , 117, 198-203	19
1165	Enantiomeric in vitro DNA binding, pBR322 DNA cleavage and molecular docking studies of chiral L- and D-ternary copper(II) complexes of histidine and picolinic acid. <b>2014</b> , 130, 170-8	31
1164	Synthesis and characterization of new transition metal {Cu(II), Ni(II) and Co(II)} L-phenylalanine-DACH conjugate complexes: in vitro DNA binding, cleavage and molecular docking studies. <b>2014</b> , 136, 1-11	43
1163	In vitro DNA binding, pBR322 plasmid cleavage and molecular modeling study of chiral benzothiazole Schiff-base-valine Cu(II) and Zn(II) complexes to evaluate their enantiomeric biological disposition for molecular target DNA. <b>2014</b> , 131, 625-35	20
1162	DNA binding and nuclease activity of an oxovanadium valinato-Schiff base complex. <b>2014</b> , 66, 166-71	26
1161	Heterobimetallic o-vanillin functionalized complexes: In vitro DNA binding validation, cleavage activity and molecular docking studies of CuII/In2IV analogs. <b>2014</b> , 752, 17-24	10
1160	Two water-soluble copper(II) complexes: synthesis, characterization, DNA cleavage, protein binding activities and in vitro anticancer activity studies. <b>2014</b> , 137, 46-56	65
1159	Effect of structure and composition of nickel(II) complexes with salicylidene Schiff base ligands on their DNA/protein interaction and cytotoxicity. <b>2014</b> , 137, 101-8	78
1158	DNA- and BSA-binding studies and anticancer activity against human breast cancer cells (MCF-7) of the zinc(II) complex coordinated by 5,6-diphenyl-3-(2-pyridyl)-1,2,4-triazine. <b>2014</b> , 127, 511-20	85
1157	Copper(II) complexes of piperazine based ligand: Synthesis, crystal structure, protein binding and evaluation of anti-cancerous therapeutic potential. <b>2014</b> , 418, 30-41	13
1156	Synthesis, thermodynamic properties and BSA interaction of a new Valen Schiff base derived from o-vanillin and trimethoprim. <b>2014</b> , 575, 291-299	7
1155	Synthesis, crystal structure and antiproliferative activity of Cu(II) nalidixic acid-DACH conjugate: comparative in vitro DNA/RNA binding profile, cleavage activity and molecular docking studies. <b>2014</b> , 81, 76-88	46
1154	Evaluation of DNA Binding, Protein Interaction, and Cytotoxic Activity of a Mononuclear Copper(II) Complex. <b>2014</b> , 640, 1506-1513	8
1153	Synthesis, characterization, DNA binding, light switch "on and off", docking studies and cytotoxicity, of ruthenium(II) and cobalt(III) polypyridyl complexes. <b>2014</b> , 24, 803-17	21
1152	Synthesis, characterization, DNA binding and cleavage properties of a ternary copper(II) Schiff base complex. <b>2014</b> , 39, 577-584	15
1151	Effects of rutin incorporation on the physical and oxidative stability of soy protein-stabilized emulsions. <b>2014</b> , 41, 1-9	46

1150	A new ternary copper(II) complex derived from 2-(2'-pyridyl)benzimidazole and glycylglycine: synthesis, characterization, DNA binding and cleavage, antioxidation and HSA interaction. <b>2014</b> , 122, 22-33	60
1149	Laser diagnostics of an evaporating electrospray. <b>2014</b> , 55, 1	
1148	Interaction of milk whey protein with common phenolic acids. <b>2014</b> , 1058, 228-233	50
1147	Photophysical processes in single molecule organic fluorescent probes. <b>2014</b> , 43, 1057-75	200
1146	The piroxicam complex of cobalt(II): Synthesis in two different ionic liquids, structure, DNA- and BSA interaction and molecular modeling. <b>2014</b> , 409, 379-389	56
1145	Water-Soluble Pyridyl Porphyrins with Amphiphilic N-Substituents: Fluorescent Properties and Photosensitized Formation of Singlet Oxygen. <b>2014</b> , 80, 813-823	14
1144	Synthesis, photochemistry, DNA cleavage/binding and cytotoxic properties of fluorescent quinoxaline and quinoline hydroperoxides. <b>2014</b> , 130, 188-98	19
1143	Biological evaluation of a cytotoxic 2-substituted benzimidazole copper(II) complex: DNA damage, antiproliferation and apoptotic induction activity in human cervical cancer cells. <b>2014</b> , 27, 155-72	45
1142	Exploring binding properties of naringenin with bovine $\beta$ -lactoglobulin: a fluorescence, molecular docking and molecular dynamics simulation study. <b>2014</b> , 187-188, 33-42	38
1141	Study on the Interaction Between Human Serum Albumin and CdTe Quantum Dots. <b>2014</b> , 44, 358-363	1
1140	Carbohydrate linked organotin(IV) complexes as human topoisomerase II $\alpha$ inhibitor and their antiproliferative effects against the human carcinoma cell line. <b>2014</b> , 43, 2534-48	38
1139	Low-dimensional compounds containing bioactive ligands. V: Synthesis and characterization of novel anticancer Pd(II) ionic compounds with quinolin-8-ol halogen derivatives. <b>2014</b> , 131, 37-46	20
1138	Protein binding and biological evaluation of a polymer-anchored cobalt(III) complex containing a 2,2'-bipyridine ligand. <b>2014</b> , 4, 57483-57492	22
1137	Influence of self-assembly on intercalative DNA binding interaction of double-chain surfactant Co(III) complexes containing imidazo[4,5-f][1,10]phenanthroline and dipyrrodo[3,2-d:2'-3'-f]quinoxaline ligands: experimental and theoretical study. <b>2014</b> , 43, 18074-86	33
1136	Synthesis and X-ray structure of a new zinc(II) coordination polymer: interaction with DNA and double stranded RNA and elucidation of the molecular aspects of the binding to bovine serum albumin. <b>2014</b> , 4, 57855-57868	14
1135	Cadmium(II) complex with 2-methyl-1H-4,5-imidazoledicarboxylic acid ligand: synthesis, characterization, and biological activity. <b>2014</b> , 67, 3551-3564	11
1134	Synthesis, spectroscopic, and biological studies on copper(II) complexes containing equatorial $\mu$ -chloride bridges: crystal structure of [Cu <sub>2</sub> (Cl) <sub>2</sub> (O-2-butoxyethylpyridine-2-carboximate) <sub>2</sub> Cl <sub>2</sub> ]. <b>2014</b> , 67, 891-909	20
1133	A novel Cd(II) complex with 1,3-bis(4-Pyridyl)propane: Synthesis, crystal structure, and interaction with DNA. <b>2014</b> , 40, 583-587	2

- <sup>1132</sup> The standard molar enthalpy of formation of a new copper(II) Schiff-base complex and its interaction with bovine serum albumin. **2014**, 598, 7-15 9
- <sup>1131</sup> Synthesis and structural characterization of dioxomolybdenum and dioxotungsten hydroxamato complexes and their function in the protection of radiation induced DNA damage. **2014**, 43, 2835-48 26
- <sup>1130</sup> Interaction of an Amphiphilic Drug Trifluoperazine Dihydrochloride with Pluronic Triblock Copolymers: A Physicochemical Study. **2014**, 53, 4669-4678 9
- <sup>1129</sup> Interactions of octahedral ruthenium(II) polypyridyl complexes with the RNA triplex poly(U)βpoly(A)\*poly(U) effect on the third-strand stabilization. **2014**, 53, 11152-9 22
- <sup>1128</sup> Mechanism of back electron transfer in an intermolecular photoinduced electron transfer reaction: solvent as a charge mediator. **2014**, 15, 2945-50 13
- <sup>1127</sup> Synthesis, DNA interaction and anticancer activity of copper(II) complexes with 4'-phenyl-2,2':6',2''-terpyridine derivatives. **2014**, 141, 17-27 51
- <sup>1126</sup> Investigation of the interaction between quercetin and human serum albumin by multiple spectra, electrochemical impedance spectra and molecular modeling. **2014**, 29, 1154-61 16
- <sup>1125</sup> Synthesis, Characterization, and DNA-Binding Properties of the Cadmium(II) Complex With 1,3-bis(1-methylbenzimidazol-2-yl)-2-oxopropane. **2014**, 44, 545-551 1
- <sup>1124</sup> Characterization of the Binding of the Finland Trityl Radical with Bovine Serum Albumin. **2014**, 4, 47649-47656 49
- <sup>1123</sup> Effect of hydrophobicity on intercalative binding of some surfactant copper(II) complexes with tRNA. **2014**, 145, 1897-1902 0
- <sup>1122</sup> Study on the interaction characteristics of dexamethasone sodium phosphate with bovine serum albumin by spectroscopic technique. **2014**, 38, 4092-4098 24
- <sup>1121</sup> Fabrication and laser patterning of polystyrene optical oxygen sensor films for lab-on-a-chip applications. **2014**, 139, 5718-27 18
- <sup>1120</sup> Interaction of gold nanoclusters with IR light emitting cyanine dyes: a systematic fluorescence quenching study. **2014**, 16, 17272-83 12
- <sup>1119</sup> A Six-Coordinate Picrate Nickel(II) Complex Based on the V-Shaped Ligand 1,3-Bis (1-Benzylbenzimidazol-2-yl)-2-Thiopropene: Synthesis, Crystal Structure, Biological Activities. **2014**, 189, 519-529 2
- <sup>1118</sup> V-shaped ligand bis(2-benzimidazolylmethyl)amine containing three copper(II) ternary complexes: synthesis, structure, DNA-binding properties and antioxidant activity. **2014**, 38, 1052 59
- <sup>1117</sup> Self-assembled Cu(II) and Ni(II) metallamacrocycles formed from 3,3,3',3'-tetrabenzyl-1,1'-aroylbis(thiourea) ligands: DNA and protein binding studies, and cytotoxicity of trinuclear complexes. **2014**, 43, 16395-410 48
- <sup>1116</sup> Identification of novel PTP1B inhibitors by pharmacophore based virtual screening, scaffold hopping and docking. **2014**, 87, 578-94 31
- <sup>1115</sup> Synthesis, structure, protein binding, and cytotoxicity of zinc(II) complexes with tridentate NNO Schiff-base ligands. **2014**, 67, 929-942 4

1114	Synthesis and structure elucidation of a copper(II) Schiff-base complex: in vitro DNA binding, pBR322 plasmid cleavage and HSA binding studies. <b>2014</b> , 140, 321-31	54
1113	Two Lanthanide(III) Complexes based on the Schiff Base N,N'-Bis(salicylidene)-1,5-diamino-3-oxapentane: Synthesis, Characterization, DNA-binding Properties, and Antioxidation. <b>2014</b> , 640, 2062-2071	81
1112	Synthesis, crystal structure, magnetism, and biological activities of an oxo-bridged diiron(III) complex. <b>2014</b> , 67, 2062-2075	1
1111	Synthesis, spectroscopic and DNA interaction studies on bis(1-amidino-O-2-alkoxyethylurea)Cu(II)nitrate where alkoxy=methoxy, ethoxy or butoxy. <b>2014</b> , 1076, 411-418	7
1110	Organotin(IV) complexes derived from Schiff base N'-[(1E)-(2-hydroxy-3-methoxyphenyl)methylidene]pyridine-4-carbohydrazone: synthesis, in vitro cytotoxicities and DNA/BSA interaction. <b>2014</b> , 86, 550-61	67
1109	Intrinsic Evaluation of $\gamma$ Discrimination in Plastic Scintillators. <b>2014</b> , 61, 1995-2005	8
1108	Binding of [Cr(phen) <sub>3</sub> ](3+) to transferrin at extracellular and endosomal pHs: potential application in photodynamic therapy. <b>2014</b> , 1840, 2695-701	8
1107	DMSO containing ruthenium(ii) hydrazone complexes: in vitro evaluation of biomolecular interaction and anticancer activity. <b>2014</b> , 43, 15829-40	44
1106	A probe to study the toxic interaction of tartrazine with bovine hemoglobin at the molecular level. <b>2014</b> , 29, 195-200	20
1105	Unichromophoric platinum-acetylides that contain pentiptycene scaffolds: torsion-induced dual emission and steric shielding of dynamic quenching. <b>2014</b> , 53, 737-45	32
1104	Synthesis of Ag nanoparticles in Span/Span-Tween mixed surfactant system and its optical, kinetic and fluorimetric studies. <b>2014</b> , 294, 1-13	4
1103	Effect of Structure and Composition of Copper and Cobalt Complexes with Schiff Base Ligands on their DNA/Protein Interaction and Cytotoxicity. <b>2014</b> , 640, 2238-2246	17
1102	Study on the interaction between bovine serum albumin and 4'-azido-2'-deoxyfluoroarabincytidine or analogs by spectroscopy and molecular modeling. <b>2014</b> , 132, 786-94	10
1101	Synthesis, crystal structure, solid-state fluorescence, and interaction with DNA of mononuclear La(III) complex: La(Phen) <sub>2</sub> L <sub>2</sub> (NO <sub>3</sub> ). <b>2014</b> , 67, 2086-2095	2
1100	Two polypyridyl copper(II) complexes: synthesis, crystal structure and interaction with DNA and serum protein in vitro. <b>2014</b> , 38, 955	46
1099	Elucidation of binding mechanism of hydroxyurea on serum albumins by different spectroscopic studies. <b>2014</b> , 3, 360	19
1098	Synthesis, micellization behaviour, DNA/RNA binding and biological studies of a surfactant cobalt(III) complex with dipyrro[3,2-a:2',4'-c](6,7,8,9-tetrahydro)phenazine. <b>2014</b> , 24, 1701-14	4
1097	Studies of interaction between two alkaloids and double helix DNA. <b>2014</b> , 156, 108-115	7

1096	Comparative studies on the interactions of dihydroartemisinin and artemisinin with bovine serum albumin using spectroscopic methods. <b>2014</b> , 29, 1033-46	7
1095	Characterization, photocleavage, molecular modeling, and DNA- and BSA-binding studies of Cu(II) and Ni(II) complexes with the non-steroidal anti-inflammatory drug meloxicam. <b>2014</b> , 423, 256-272	26
1094	Nucleic acid binding study of surfactant copper(II) complex containing dipyrrodo[3,2-a:2'-3'-c]phenazine ligand as an intercalator: in vitro antitumor activity of complex in human liver carcinoma (HepG2) cancer cells. <b>2014</b> , 4, 56084-56094	14
1093	Palladium(II) and Platinum(II) Complexes Containing Six-Membered N-Heterocyclic Ligands: Synthesis, Characterization, Interaction with DNA, DFT Calculation, and Cytotoxicity. <b>2014</b> , 2014, 5741-5751	11
1092	Binding studies of lincosamide antibiotic drug clindamycin phosphate to human serum albumin by fluorescence, 3D, and circular dichroism spectroscopy. <b>2014</b> , 145, 1519-1527	10
1091	Interaction of divalent metal ions with the carboxyl-terminal domain of human voltage-gated proton channel Hv1. <b>2014</b> , 27, 793-802	2
1090	Synthesis, spectral characterization, DNA binding studies and antimicrobial activity of Co(II), Ni(II), Zn(II), Fe(III) and VO(IV) complexes with 4-aminoantipyrene Schiff base of ortho-vanillin. <b>2014</b> , 24, 1067-76	30
1089	Studies on the interaction between vincamine and human serum albumin: a spectroscopic approach. <b>2014</b> , 29, 471-9	28
1088	An oxovanadium(IV) complex with o-vanillin-valine Schiff base and 1,10-phenanthroline ligands: synthesis, crystal structure and DNA interactions. <b>2014</b> , 39, 605-611	4
1087	Spectroscopic and molecular docking techniques study of the interaction between oxymetholone and human serum albumin. <b>2014</b> , 155, 218-225	45
1086	An investigation on new ruthenium(II) hydrazone complexes as anticancer agents and their interaction with biomolecules. <b>2014</b> , 43, 6087-99	32
1085	Polymer-cobalt(III) complexes: structural analysis of metal chelates on DNA interaction and comparative cytotoxic activity. <b>2014</b> , 32, 1876-88	17
1084	Copper(II) and manganese(II) picrate complexes with the V-shaped ligand 1,3-bis(1-methylbenzimidazol-2-yl)-2-thiapropane: preparation, structure, DNA-binding properties and antioxidant activities. <b>2014</b> , 39, 951-960	9
1083	Synthesis, structure and molecular docking studies of dicopper(II) complexes bridged by N-phenolato-N'-[2-(dimethylamino)ethyl]oxamide: the influence of terminal ligands on cytotoxicity and reactivity towards DNA and protein BSA. <b>2014</b> , 38, 2964-2978	95
1082	Nuclease activity and protein-binding properties of a novel tetranuclear thiosemicarbazide Pt(II) complex. <b>2014</b> , 43, 1663-71	19
1081	Synthesis, structure, and DNA-binding properties of manganese(II) and nickel(II) complexes with tris(N-ethylbenzimidazol-2-ylmethyl)amine ligand. <b>2014</b> , 67, 660-669	10
1080	A highly selective sensor of cysteine with tunable sensitivity and detection window based on dual-emission Ag nanoclusters. <b>2014</b> , 53, 71-5	44
1079	DNA binding, docking studies, artificial nuclease activity and in vitro cytotoxicity of newly synthesized steroidal 1H-pyrimidines. <b>2014</b> , 17, 359-369	7



1078	Synthesis, structure-activity relationships, and biological studies of chromenochalcones as potential antileishmanial agents. <b>2014</b> , 57, 3342-57	29
1077	Probing the binding mode of psoralen to calf thymus DNA. <b>2014</b> , 67, 228-37	44
1076	A fluorescent chemosensor for paeonol based on tetramethoxy resorcinarene tetraoxyacetic acid. <b>2014</b> , 191, 53-59	12
1075	Competitive binding assay for G-quadruplex DNA and sanguinarine based on room temperature phosphorescence of Mn-doped ZnS quantum dots. <b>2014</b> , 279, 24-31	7
1074	Investigation of the interaction between five alkaloids and human hemoglobin by fluorescence spectroscopy and molecular modeling. <b>2014</b> , 123, 176-86	24
1073	In vitro antitumor activity of parent and nano-encapsulated mono cobalt-substituted Keggin polyoxotungstate and its ctDNA binding properties. <b>2014</b> , 215, 25-32	24
1072	Design and synthesis of enantiomeric (R)- and (S)-copper(II) and diorganotin(IV)-based antitumor agents: their in vitro DNA binding profile, cleavage efficiency and cytotoxicity studies. <b>2014</b> , 136, 62-71	29
1071	Spectroscopic and molecular modeling methods to investigate the interaction between 5-Hydroxymethyl-2-furfural and calf thymus DNA using ethidium bromide as a probe. <b>2014</b> , 124, 78-83	27
1070	Spectral studies on the interaction between HSSC and apoCopC. <b>2014</b> , 118, 454-60	6
1069	Syntheses, structures, in vitro cytotoxicities and DNA-binding properties of four copper complexes based on a phenyl 2-pyridyl ketoxime ligand. <b>2014</b> , 39, 507-517	8
1068	Hidden regularity and universal classification of fast side chain motions in proteins. <b>2014</b> , 136, 8590-605	12
1067	Synthesis, CMC determination, nucleic acid binding and cytotoxicity of a surfactant-cobalt(III) complex: effect of ionic liquid additive. <b>2014</b> , 38, 366-375	20
1066	Organometallic ruthenium(II) scorpionate as topo II inhibitor; in vitro binding studies with DNA, HPLC analysis and its anticancer activity. <b>2014</b> , 771, 47-58	34
1065	Inflammation targeted Gd(3+)-based MRI contrast agents imaging tumor and rheumatoid arthritis models. <b>2014</b> , 25, 1112-23	8
1064	Synthesis, characterization, and biological activities of two Cu(II) and Zn(II) complexes with one polyquinoline ligand. <b>2014</b> , 130, 390-6	7
1063	Effect of carbon chain length on biological activity of novel palladium (II) complexes. <b>2014</b> , 82, 172-80	14
1062	Design and synthesis of new Zn(II) nalidixic acid-DACH based Topo-II inhibiting molecular entity: Chemotherapeutic potential validated by its in vitro binding profile, pBR322 cleavage activity and molecular docking studies with DNA and RNA molecular targets. <b>2014</b> , 421, 26-37	19
1061	DNA binding, cytotoxicity and apoptosis induction activity of a mixed-ligand copper(II) complex with taurine Schiff base and imidazole. <b>2014</b> , 128, 686-93	19

1060	Heuristic consequences of a load of oxygen in microtubules. <b>2014</b> , 118, 17-30	1
1059	A novel phosphorescence sensor for Co <sup>2+</sup> ion based on Mn-doped ZnS quantum dots. <b>2014</b> , 29, 151-7	36
1058	Spectroscopic Studies on the Interaction Between Aucubin and Bovine Serum Albumin Without or With Copper II or Iron III. <b>2014</b> , 47, 119-130	5
1057	Assembly and copper ions detection of highly sensible and stable hydroxyapatite nanocomposite fluorescence probe. <b>2014</b> , 9, 127-131	4
1056	Spectroscopic investigations of the interaction of the anti-hypertension drug valsartan with human serum albumin. <b>2014</b> , 9, 2191-6	8
1055	Investigation of the Interaction between Nitrite Ion and Bovine Serum Albumin Using Spectroscopic and Molecular Docking Techniques. <b>2014</b> , 61, 1223-1230	1
1054	Affinity of a mononuclear monofunctional anticancer Pt(II) complex to human serum albumin: a spectroscopic approach. <b>2015</b> , 28, 1031-41	3
1053	Molecular investigation of the interaction between ionic liquid type gemini surfactant and lysozyme: A spectroscopic and computational approach. <b>2015</b> , 103, 406-15	63
1052	Synthesis and Structure of a New Copper(II) Coordination Polymer Alternately Bridged by Oxamido and Carboxylate Groups: Evaluation of DNA/BSA Binding and Cytotoxic Activities. <b>2015</b> , 29, 360-72	1
1051	A New Manganese(III) Complex from Bis(5-methylsalicylaldehyde)-3-oxapentane-1,5-diamine: Synthesis, Characterization, Antioxidant Activity and Luminescence. <b>2015</b> , 62, 1028-1034	85
1050	Direct interactions in the recognition between the environmental estrogen bisphenol AF and human serum albumin. <b>2015</b> , 28, 459-66	11
1049	In Vitro DNA-Binding, Cleavage Activity with pBR322, Molecular Docking and Antiproliferative Studies of Newly Synthesized Steroidal Imidazolidine Hybrids. <b>2015</b> , 04,	
1048	DNA Binding, Cleavage Activity, Molecular Docking, Cytotoxicity and Genotoxicity Studies of Newly Synthesized Copper Based Metal Complexes. <b>2015</b> , 07,	4
1047	Synthesis, Anticonvulsant and Binding Interaction Study of Novel Piperamides with Bovine Serum Albumin by Fluorescence Spectroscopy. <b>2015</b> , 16, 60-6	2
1046	Characterization of the Interaction between Gallic Acid and Lysozyme by Molecular Dynamics Simulation and Optical Spectroscopy. <b>2015</b> , 16, 14786-807	15
1045	Novel Coumarin-Containing Aminophosphonates as Antitumor Agent: Synthesis, Cytotoxicity, DNA-Binding and Apoptosis Evaluation. <b>2015</b> , 20, 14791-809	22
1044	The therapeutic effect of chlorogenic acid against Staphylococcus aureus infection through sortase A inhibition. <b>2015</b> , 6, 1031	43
1043	Dopamine-functionalized InP/ZnS quantum dots as fluorescence probes for the detection of adenosine in microfluidic chip. <b>2015</b> , 10 Spec Iss, 121-8	3



1042	Insight into the Interaction between the HIV-1 Integrase Inhibitor Elvitegravir and Bovine Serum Albumin: A Spectroscopic Study. <b>2015</b> , 2015, 1-9	12
1041	Study of Interaction between Febuxostat and Bovine Serum Albumin by Fluorescence Spectroscopy. <b>2015</b> , 07,	2
1040	Inhibition Mechanism of Calcium Oxalate Crystal Growth by Cooperation Influence of Colloidal Selenium Nanoparticles and Bovine Serum Albumin. <b>2015</b> , 15, 1602-1610	15
1039	Interactions of antifouling monolayers: Energy transfer from excited albumin molecule to phenol red dye. <b>2015</b> , 69,	2
1038	In vitro cytotoxicity and interaction of new steroidal oxadiazinanones with calf thymus DNA using molecular docking, gel electrophoresis and spectroscopic techniques. <b>2015</b> , 148, 340-350	9
1037	Spectroscopic study on the interaction of resveratrol and pterostilbene with human serum albumin. <b>2015</b> , 149, 58-67	50
1036	Targeting protein kinase and DNA molecules by diimine-phthalate complexes in antiproliferative activity. <b>2015</b> , 79, 837-55	16
1035	Synthesis and crystal structure of new dicopper(II) complexes having asymmetric N,N'-bis(substituted)oxamides with DNA/protein binding ability: In vitro anticancer activity and molecular docking studies. <b>2015</b> , 149, 129-42	15
1034	Synthesis and spectroscopic characterization of diorganotin(IV) complexes of N?-(4-hydroxypent-3-en-2-ylidene)isonicotinohydrazide: chemotherapeutic potential validation by in vitro interaction studies with DNA/HSA, DFT, molecular docking and cytotoxic activity. <b>2015</b> , 5, 50673-50690	56
1033	Binary and ternary new water soluble copper(II) complexes of l-tyrosine and substituted 1,10-phenanthrolines: effect of substitution on DNA interactions and cytotoxicities. <b>2015</b> , 145, 313-324	30
1032	V-shaped ligand 1,3-bis(1-ethylbenzimidazol-2-yl)-2-thiapropane and manganese(II), cobalt(II) and copper(II) complexes: Synthesis, crystal structure, DNA-binding properties and antioxidant activities. <b>2015</b> , 148, 252-261	40
1031	Spectrofluorometric and Molecular Modeling Studies on Binding of Nitrite Ion with Bovine Hemoglobin: Effect of Nitrite Ion on Amino Acid Residues. <b>2015</b> , 82, 322-328	
1030	Characterization of the Interaction of 6-Thioguanine with Human Serum Albumin by Surface-Enhanced Raman Scattering and Molecular Modeling. <b>2015</b> , 48, 2063-2074	5
1029	Synthesis, crystal structure and biological activity of two Mn complexes with 4-acyl pyrazolone derivatives. <b>2015</b> , 150, 28-37	23
1028	Laser-Induced Fluorescence (LIF) and Phosphorescence (LIP) Techniques. <b>2015</b> , 7, 313-345	1
1027	Spectral, electrochemical and molecular docking methods to get an understanding of supramolecular chemistry of sulfa drugs to biomolecules. <b>2015</b> , 212, 857-864	11
1026	Nickel(II) and copper(II) complexes constructed with N2S2 hybrid benzamidine-thiosemicarbazone ligand: synthesis, X-ray crystal structure, DFT, kinetic-catalytic and in vitro biological applications. <b>2015</b> , 5, 103321-103342	38
1025	Effect of polypyridine copper complex [Cu(dppz)(L-Ser)]NO3·H2O on the stabilization of triplex DNA based on gold-nanoparticles. <b>2015</b> , 7, 3425-3430	

1024	Spectroscopic and molecular docking studies on the interaction between N-acetyl cysteine and bovine serum albumin. <b>2015</b> , 103, 638-45	72
1023	Synthesis, characterization, antimicrobial, DNA binding and cleavage studies of mixed ligand Cu(II), Co(II) complexes. <b>2015</b> , 25, 185-97	14
1022	A novel fluorescent sensor for mercury (II) ion using self-assembly of poly(diallyl dimethyl ammonium)chloride functionalized CdTe quantum dots. <b>2015</b> , 7, 436-442	7
1021	Groove binding interaction between daphnetin and calf thymus DNA. <b>2015</b> , 74, 185-94	35
1020	Syntheses, characterization, interaction with DNA, cytotoxic and apoptosis of two novel complexes of Zn(II) and Mn(II) with 2-methyl-1H-4,5-imidazoledicarboxylic acid. <b>2015</b> , 92, 295-301	12
1019	Interaction and sonodynamic damage activity of acridine red (AD-R) to bovine serum albumin (BSA). <b>2015</b> , 160, 245-253	10
1018	Enhancing the copper(II) complexes cytotoxicity to cancer cells through bound to human serum albumin. <b>2015</b> , 144, 47-55	42
1017	Comprehensive spectroscopic studies on the interaction of biomolecules with surfactant detached multi-walled carbon nanotubes. <b>2015</b> , 128, 315-321	7
1016	Investigation on the toxic interaction of typical plasticizers with calf thymus DNA. <b>2015</b> , 161, 71-75	6
1015	Synthesis, characterization, DNA binding, DNA cleavage and antimicrobial studies of Schiff base ligand and its metal complexes. <b>2015</b> , 25, 369-78	27
1014	Interaction between Microbes DNA and Atrazine in Black Soil Analyzed by Spectroscopy. <b>2015</b> , 43, 867-871	8
1013	A series of novel Zn(II) and Mn(II) metal-organic frameworks constructed by 2,4-bis-oxyacetate-benzoic acid: syntheses, structures and photoluminescence. <b>2015</b> , 58, 448-456	11
1012	A novel fluorescent chemosensor for safranin T based on calixarene-1,3-diacyl hydrazone. <b>2015</b> , 212, 183-189	10
1011	Synthesis, crystal structure, and interaction with DNA and BSA of a chromium(III) complex with naph-gly Schiff base and 1,10-phenanthroline. <b>2015</b> , 68, 1040-1053	13
1010	Synthesis, spectral characterization, crystal structure and in vitro DNA/protein binding studies of phosphorous ylide palladacyclic complexes containing azide group. <b>2015</b> , 144, 11-9	23
1009	Spectroscopic studies on the interaction between anthragallol and DNA using of ethidium bromide as a fluorescence probe. <b>2015</b> , 141, 239-43	13
1008	Spectroscopic investigation on the food components-drug interaction: the influence of flavonoids on the affinity of nifedipine to human serum albumin. <b>2015</b> , 78, 42-51	52
1007	Comparative Studies on the Interaction of Aspirin with Bovine Serum Albumin by Fluorescence Quenching Spectroscopy and Synchronous Fluorescence Spectroscopy. <b>2015</b> , 48, 441-446	9

1006	Non-covalent binding analysis of sulfamethoxazole to human serum albumin: Fluorescence spectroscopy, UV-vis, FT-IR, voltammetric and molecular modeling. <b>2015</b> , 5, 143-152	28
1005	Crystal structure determination, spectroscopic characterization and biological profile of a tailored ionic molecular entity, Sn(IV) iminodiacetic acid-piperazinedium conjugate: in vitro DNA/RNA binding studies, Topo I inhibition activity, cytotoxic and systemic toxicity studies. <b>2015</b> , 5, 16250-16264	20
1004	Synthesis, DNA binding and docking studies of copper(II) complexes containing modified phenanthroline ligands. <b>2015</b> , 68, 1374-1386	31
1003	Investigation on the toxic interaction of superparamagnetic iron oxide nanoparticles with catalase. <b>2015</b> , 159, 312-316	8
1002	Bio-relevant cobalt(II) complexes with compartmental polyquinoline ligand: synthesis, crystal structures and biological activities. <b>2015</b> , 145, 19-29	10
1001	Enantiomeric fluoro-substituted benzothiazole Schiff base-valine Cu(II)/Zn(II) complexes as chemotherapeutic agents: DNA binding profile, cleavage activity, MTT assay and cell imaging studies. <b>2015</b> , 143, 61-73	30
1000	Novel insights into the inhibitory mechanism of kaempferol on xanthine oxidase. <b>2015</b> , 63, 526-34	149
999	Pharmacokinetic of pseudoephedrine in rat serum with luminol-pepsin chemiluminescence system by flow injection analysis. <b>2015</b> , 175, 1805-16	1
998	Synthesis, DNA interactions and antibacterial PDT of Cu(II) complexes of phenanthroline based photosensitizers via singlet oxygen generation. <b>2015</b> , 138, 780-8	15
997	Synthesis, crystal structure, and biological activities of two chiral mononuclear Mn(III) complexes. <b>2015</b> , 27, 142-50	
996	Association of structural modifications with bioactivity in three new copper(II) complexes of Schiff base ligands derived from 5-chlorosalicylaldehyde and amino acids. <b>2015</b> , 146, 52-60	21
995	Interaction between curcumin and human serum albumin in the presence of excipients and the effect of binding on curcumin photostability. <b>2016</b> , 21, 428-36	6
994	Ruthenium complexes of ferrocene mannich bases: DNA/BSA interactions and cytotoxicity against A549 cell line. <b>2015</b> , 305, 1-10	26
993	Supramolecular architecture and photophysical and biological properties of ruthenium(II) polypyridyl complexes. <b>2015</b> , 39, 3646-3657	15
992	Comparison of nuclease activities of binuclear metal complexes with N6O coordinating heptadentate ligands: [M <sub>2</sub> L(OAc) <sub>2</sub> ] <sup>+</sup> (M = Ni, Mn, L = 2,6-bis(((2-(dimethylamino)ethyl)(pyridin-2-ylmethyl)amino) methyl)-4-methoxyphenol). <b>2015</b> , 40, 269-279	3
991	Interaction of L-arginine with $\kappa$ -casein and its effect on amyloid fibril formation by the protein: multi-spectroscopic approaches. <b>2015</b> , 143, 130-8	7
990	Comparison study on the interaction mechanisms of B. amyloliquefaciens amylase with PEG-400 and TEPA and the properties of enzyme. <b>2015</b> , 1081, 457-465	8
989	Exploring the copper(II)-aminotriazole complex-binding sites of human serum albumin. <b>2015</b> , 20, 1059-68	6

988	Dissection of the binding of L-ascorbic acid to trypsin and pepsin using isothermal titration calorimetry, equilibrium microdialysis and spectrofluorimetry. <b>2015</b> , 5, 35487-35496	7
987	The effect of potential supramolecular-bond promoters on the DNA-interacting abilities of copper-terpyridine compounds. <b>2015</b> , 44, 16061-72	23
986	Spectroscopic analyses on interaction of melamine, cyanuric acid and uric acid with DNA. <b>2015</b> , 149, 714-21	12
985	Synthesis, structure and photoluminescence of (PLAGH) <sub>2</sub> [ZnCl <sub>4</sub> ] and comparative analysis of photoluminescence properties with tris(2,2'-bipyridine)ruthenium(II). <b>2015</b> , 70, 951-957	5
984	Molecular interactions of flavonoids to pepsin: Insights from spectroscopic and molecular docking studies. <b>2015</b> , 151, 576-90	30
983	Investigations on the Interactions of 5-Fluorouracil with Herring Sperm DNA: Steady State/Time Resolved and Molecular Modeling Studies. <b>2015</b> , 10, 115-133	6
982	Two novel 2D waves copper(II) coordination polymer with the quinolone antimicrobial drugs ciprofloxacin: Synthesis, structure and biological evaluation. <b>2015</b> , 435, 16-24	9
981	DNA/protein binding, DNA cleavage, cytotoxicity, superoxide radical scavenging and molecular docking studies of copper(II) complexes containing N-benzyl-N'-aryl-N''-benzoylguanidine ligands. <b>2015</b> , 2, 780-798	61
980	Extracellularly synthesized ZnO nanoparticles interact with DNA and augment gamma radiation induced DNA damage through reactive oxygen species. <b>2015</b> , 5, 62067-62077	23
979	Synthesis, crystal structures, DNA interaction and anticancer activity of organobismuth(V) complexes. <b>2015</b> , 437, 41-46	12
978	Binding characteristics of psoralen with trypsin: Insights from spectroscopic and molecular modeling studies. <b>2015</b> , 151, 498-505	21
977	Synthesis, crystal structure, and DNA-binding studies of different coordinate binuclear silver(I) complexes with benzimidazole open-chain ether ligands. <b>2015</b> , 39, 7172-7181	24
976	Norfloxacin La(III)-based complex: synthesis, characterization, and DNA-binding studies. <b>2015</b> , 68, 3247-3258	6
975	Design, synthesis, DNA-binding affinity, cytotoxicity, apoptosis, and cell cycle arrest of Ru(II) polypyridyl complexes. <b>2015</b> , 485, 49-58	25
974	Synthesis, structure, protein binding of Cu(II) complexes with a tridentate NNO Schiff-base ligand. <b>2015</b> , 150, 290-300	10
973	Spectroscopic and molecular modeling studies on binding of dorzolamide to bovine and human carbonic anhydrase II. <b>2015</b> , 80, 189-99	21
972	Binding interaction of sorafenib with bovine serum albumin: Spectroscopic methodologies and molecular docking. <b>2015</b> , 149, 630-7	86
971	Study on the interaction between Besifloxacin and bovine serum albumin by spectroscopic techniques. <b>2015</b> , 149, 116-21	15

970	Binding of carmoisine, a food colorant, with hemoglobin: Spectroscopic and calorimetric studies. <b>2015</b> , 72, 54-61	46
969	Antioxidant and DNA binding studies of Cu(II) complexes of N,N'-(1,1'-dithio-bis(phenylene))-bis(salicylideneimine): synthesis and characterization. <b>2015</b> , 40, 445-458	14
968	Investigation of Optical Spectroscopic and Computational Binding Mode of Bovine Serum Albumin with 1, 4-Bis ((4-((4-Heptylpiperazin-1-yl) Methyl)-1H-1, 2, 3-Triazol-1-yl) Methyl) Benzene. <b>2015</b> , 29, 373-81	11
967	Single and double chain surfactant-cobalt(III) complexes: the impact of hydrophobicity on the interaction with calf thymus DNA, and their biological activities. <b>2015</b> , 5, 31746-31758	38
966	Syntheses, structures, characterization, and bioactivities of new Cd(II) complex of 2,3-pyrazinedicarboxylate with 1,10-phenanthroline. <b>2015</b> , 41, 169-174	
965	DNA/protein interaction, cytotoxic activity and magnetic properties of amino-alcohol Schiff base derived Cu(II)/Ni(II) metal complexes: influence of the nuclearity and metal ions. <b>2015</b> , 5, 37085-37095	38
964	Synthesis, crystal structures, DNA binding, and cytotoxicity activities of two copper(II) complexes based on unsymmetrical tripodal ligands. <b>2015</b> , 68, 2307-2323	12
963	Study of the interaction between human serum albumin and Mn-doped ZnS quantum dots. <b>2015</b> , 12, 1729-1738	44
962	Mechanistic insights into a novel chromone-appended Cu(II) anticancer drug entity: in vitro binding profile with DNA/RNA substrates and cytotoxic activity against MCF-7 and HepG2 cancer cells. <b>2015</b> , 44, 10330-42	80
961	Ru(II)-based complexes with N-(acyl)-N',N'-(disubstituted)thiourea ligands: Synthesis, characterization, BSA- and DNA-binding studies of new cytotoxic agents against lung and prostate tumour cells. <b>2015</b> , 150, 63-71	61
960	Exploring the interaction of naringenin with bovine beta-casein nanoparticles using spectroscopy. <b>2015</b> , 51, 1-6	54
959	Four related mixed-ligand nickel(II) complexes: effect of steric encumbrance on the structure, DNA/BSA binding, DNA cleavage and cytotoxicity. <b>2015</b> , 5, 30768-30779	21
958	Unprecedented formation of organo-ruthenium(II) complexes containing 2-hydroxy-1-naphthaldehyde S-benzylidithiocarbamate: synthesis, X-ray crystal structure, DFT study and their biological activities in vitro. <b>2015</b> , 2, 620-639	37
957	Study on the interaction of a cyanine dye with human serum transferrin. <b>2015</b> , 30, 1176-83	4
956	DNA/HSA interaction and nuclease activity of an iron(III) amphiphilic sulfonated corrole. <b>2015</b> , 30, 1045-54	16
955	Synthesis, DNA/protein binding, molecular docking, DNA cleavage and in vitro anticancer activity of nickel(II) bis(thiosemicarbazone) complexes. <b>2015</b> , 5, 46031-46049	101
954	An IDB-containing low molecular weight short peptide as an efficient DNA cleavage reagent. <b>2015</b> , 13, 4524-31	4
953	Quantum-size-effect accommodation of gold clusters with altered fluorescence of dyes. <b>2015</b> , 5, 30610-30616	12

952	Gadolinium(III) and dysprosium(III) complexes with a Schiff base bis(N-salicylidene)-3-oxapentane-1,5-diamine: synthesis, characterization, antioxidation, and DNA-binding studies. <b>2015</b> , 68, 1054-1071	92
951	Iron(II) complexes containing the 2,6-bis-iminopyridyl moiety. Synthesis, characterization, reactivity, and DNA binding. <b>2015</b> , 68, 2054-2064	3
950	Metal-Ion Directed Synthesis of 18-Membered Tetrathia Macrocyclic Complexes of Co(II), Ni(II), Cu(II), and Zn(II), Their Physicochemical Studies and DNA Binding Study of Copper Complex. <b>2015</b> , 45, 1175-1183	4
949	Multi-spectroscopic investigation of the binding interaction of fosfomycin with bovine serum albumin. <b>2015</b> , 5, 249-255	47
948	Three- and four-coordinate Ag(I) complexes of crotonate and bis(benzimidazole)-2-oxapropane ligands: syntheses, crystal structures, DNA-binding studies and antioxidant activities. <b>2015</b> , 40, 555-564	18
947	Ag(I) and Zn(II) isonicotinate complexes: design, characterization, antimicrobial effect, and CT-DNA binding studies. <b>2015</b> , 68, 4423-4443	14
946	Cytotoxicity and antimicrobial activity of triorganotin(IV) complexes of phenylcyanamide prepared by sonochemical synthesis. <b>2015</b> , 438, 94-104	15
945	Synthesis, Luminescence Properties of Eu (III) and Tb (III) Complexes with a Polyamine Polycarboxylic Ligand as well as Their Binding Characteristics with Bovine Serum Albumin (BSA). <b>2015</b> , 4, R89-R96	3
944	A Study on Spectro-Analytical Aspects, DNA - Interaction, Photo-Cleavage, Radical Scavenging, Cytotoxic Activities, Antibacterial and Docking Properties of 3 - (1 - (6 - methoxybenzo [d] thiazol - 2 - ylimino) ethyl) - 6 - methyl - 3H - pyran - 2, 4 - dione and its Metal Complexes. <b>2015</b> , 25, 1279-96	9
943	Structurally Diverse Manganese(II)Diclofenac Complexes Showing Enhanced Antioxidant Activity and Affinity to Serum Albumins in Comparison to Sodium Diclofenac <b>2015</b> , 2015, 2285-2294	29
942	Interaction Behavior Between Niclosamide and Pepsin Determined by Spectroscopic and Docking Methods. <b>2015</b> , 25, 1681-93	12
941	In vitro antitumor activity of free and nano-encapsulated Na <sub>5</sub> [PMo <sub>10</sub> V <sub>2</sub> O <sub>40</sub> ]·nH <sub>2</sub> O and its binding properties with ctDNA by using combined spectroscopic methods. <b>2015</b> , 152, 74-81	20
940	In vitro DNA binding studies of antiretroviral drug nelfinavir using ethidium bromide as fluorescence probe. <b>2015</b> , 151, 194-200	20
939	Unique norbornene based triazole molecule for selective Fe(II) sensing. <b>2015</b> , 5, 74973-74976	6
938	Synthesis and characterization of Co(II) and Fe(II) peptide conjugates as hydrolytic cleaving agents and their preferential enantiomeric disposition for CT-DNA: structural investigation of L-enantiomers by DFT and molecular docking studies. <b>2015</b> , 5, 72121-72131	17
937	Investigation of the interaction of anthraquinones of Cassia occidentalis seeds with bovine serum albumin by molecular docking and spectroscopic analysis: Correlation to their in vitro cytotoxic potential. <b>2015</b> , 77, 368-377	26
936	Design and synthesis of a novel trinuclear palladium(II) complex containing an oxime chelate ligand: determining the interaction mechanism with the DNA groove and BSA site I by spectroscopic and molecular dynamics simulation approaches. <b>2015</b> , 39, 8708-8719	58
935	Studies on the interaction between neutral red and bovine hemoglobin by fluorescence spectroscopy and molecular modeling. <b>2015</b> , 211, 584-590	19



934	Neonicotinoid insecticide interact with honeybee odorant-binding protein: Implication for olfactory dysfunction. <b>2015</b> , 81, 624-30	35
933	Insights into the strong in-vitro anticancer effects for bis(triphenylphosphane)iminium compounds having perchlorate, tetrafluoroborate and bis(chlorido)argentate anions. <b>2015</b> , 153, 346-354	10
932	Doxycycline conjugated with polyvinylpyrrolidone-encapsulated silver nanoparticles: a polymer's malevolent touch against Escherichia coli. <b>2015</b> , 5, 66886-66893	19
931	Nickel(II) and cobalt(II) complexes of lidocaine: Synthesis, structure and comparative in vitro evaluations of biological perspectives. <b>2015</b> , 103, 516-29	42
930	Cytotoxicity, DNA binding and cell apoptosis induction of a zinc(II) complex of HBrQ. <b>2015</b> , 6, 2224-2231	24
929	Deciphering the inhibitory mechanism of genistein on xanthine oxidase in vitro. <b>2015</b> , 153, 463-72	24
928	Energetics, Thermodynamics, and Molecular Recognition of Piperine with DNA. <b>2015</b> , 55, 2644-56	35
927	Synthesis, structure, and biological activities of a new $\beta$ -oxamido-bridged dicopper(II) complex: the influence of hydrophobicity of bridging ligand on DNA binding and cytotoxic activities. <b>2015</b> , 29, 77-90	1
926	Transfecting pDNA to E. coli DH5 $\alpha$ using bovine serum albumin nanoparticles as a delivery vehicle. <b>2015</b> , 30, 583-91	8
925	Nuclear blebbing of biologically active organoselenium compound towards human cervical cancer cell (HeLa): in vitro DNA/HSA binding, cleavage and cell imaging studies. <b>2015</b> , 90, 876-88	46
924	Cu(II)-dipeptide complexes of 2-(4'-thiazolyl)benzimidazole: synthesis, DNA oxidative damage, antioxidant and in vitro antitumor activity. <b>2015</b> , 143, 77-87	44
923	Potential toxicity of phthalic acid esters plasticizer: interaction of dimethyl phthalate with trypsin in vitro. <b>2015</b> , 63, 75-84	70
922	Thermodynamic investigation of interaction between [( $\eta^5$ -p-cymene)RuII(acetone-N4-phenylthiosemicarbazone)Cl]Cl anticancer drug and human serum albumin: spectroscopic and electrochemical studies. <b>2015</b> , 164, 150-61	12
921	Study on the synthesis of sulfonamide derivatives and their interaction with bovine serum albumin. <b>2015</b> , 30, 269-79	15
920	The mechanism study in the interactions of sorghum procyanidins trimer with porcine pancreatic $\alpha$ -amylase. <b>2015</b> , 174, 291-8	44
919	DNA binding, photo-induced DNA cleavage and cytotoxicity studies of lomefloxacin and its transition metal complexes. <b>2015</b> , 138, 585-95	23
918	Interaction of coumarin with calf thymus DNA: deciphering the mode of binding by in vitro studies. <b>2015</b> , 73, 9-16	112
917	New water-soluble copper (II) complexes including 4,7-dimethyl-1,10-phenanthroline and L-tyrosine: synthesis, characterization, DNA interactions and cytotoxicities. <b>2015</b> , 136 Pt B, 761-70	29



916	A highly selective and simple fluorescent sensor for mercury (II) ion detection based on cysteamine-capped CdTe quantum dots synthesized by the reflux method. <b>2015</b> , 30, 465-71	54
915	Study on the interaction characteristics of cefamandole with bovine serum albumin by spectroscopic technique. <b>2015</b> , 136 Pt B, 321-6	20
914	Synthesis and formulation of methotrexate (MTX) conjugated LaF3:Tb(3+)/chitosan nanoparticles for targeted drug delivery applications. <b>2015</b> , 69, 170-8	15
913	Surfactant-copper(II) Schiff base complexes: synthesis, structural investigation, DNA interaction, docking studies, and cytotoxic activity. <b>2015</b> , 33, 877-91	47
912	Study on the interaction of (+)-catechin with human serum albumin using isothermal titration calorimetry and spectroscopic techniques. <b>2015</b> , 39, 386-395	57
911	Significant differences in the biological activity of mononuclear Cu(II) and Ni(II) complexes with the polyquinolinyl ligand. <b>2015</b> , 39, 529-538	12
910	A mononuclear Ni(II) complex with 5,6-diphenyl-3-(2-pyridyl)-1,2,4-triazine: DNA- and BSA-binding and anticancer activity against human breast carcinoma cells. <b>2015</b> , 136 Pt B, 205-15	39
909	Binding site identification of metformin to human serum albumin and glycated human serum albumin by spectroscopic and molecular modeling techniques: a comparison study. <b>2015</b> , 33, 513-33	90
908	Intercalation of herbicide propyzamide into DNA using acridine orange as a fluorescence probe. <b>2015</b> , 206, 630-639	16
907	Interaction mechanisms between organic UV filters and bovine serum albumin as determined by comprehensive spectroscopy exploration and molecular docking. <b>2015</b> , 119, 590-600	37
906	Dissection of the binding of hydrogen peroxide to trypsin using spectroscopic methods and molecular modeling. <b>2015</b> , 137, 286-93	18
905	Synthesis, crystal structure and spectroscopy of bioactive Cd(II) polymeric complex of the non-steroidal anti-inflammatory drug diclofenac sodium: antiproliferative and biological activity. <b>2015</b> , 136 Pt B, 429-36	21
904	Synthesis, CMC determination, and intercalative binding interaction with nucleic acid of a surfactant-copper(II) complex with modified phenanthroline ligand (dpq). <b>2015</b> , 33, 274-88	11
903	Experimental and molecular modeling studies of the interaction of the polypyridyl Fe(II) and Fe(III) complexes with DNA and BSA. <b>2015</b> , 134, 502-16	34
902	Binding interaction between a queen pheromone component HOB and pheromone binding protein ASP1 of <i>Apis cerana</i> . <b>2015</b> , 72, 430-6	20
901	Synthesis, structure, antioxidation and DNA-binding studies of a zinc(II) complex with tris(2-benzimidazolmethyl)amine and cinnamate. <b>2015</b> , 41, 4349-4360	2
900	Synthesis, CMC determination and nucleic acid-binding interaction of a surfactant copper(II) complex containing amino acid-Schiff base ligand:[Cu(sal-ala)(bpy)(DA)]. <b>2015</b> , 12, 267-275	4
899	Studies of the interaction between FNC and human hemoglobin: a spectroscopic analysis and molecular docking. <b>2015</b> , 136 Pt B, 416-22	16

898	Investigation of two blood proteins binding to Cantharidin and Norcantharidin by multispectroscopic and chemometrics methods. <b>2015</b> , 157, 398-410	10
897	STUDIES ON THE INTERACTION BETWEEN TRIPTOLIDE AND BOVINE SERUM ALBUMIN (BSA) BY SPECTROSCOPIC AND MOLECULAR MODELING METHODS. <b>2016</b> , 13, 121-129	5
896	Analysis of the Interaction of Dp44mT with Human Serum Albumin and Calf Thymus DNA Using Molecular Docking and Spectroscopic Techniques. <b>2016</b> , 17,	14
895	Comparative Analysis of the Interaction between Different Flavonoids and PDIA3. <b>2016</b> , 2016, 4518281	12
894	Microwave-Assisted Synthesis of Arene Ru(II) Complexes Induce Tumor Cell Apoptosis Through Selectively Binding and Stabilizing bcl-2 G-Quadruplex DNA. <b>2016</b> , 9,	10
893	Synthesis and Structural Investigation of New Bio-Relevant Complexes of Lanthanides with 5-Hydroxyflavone: DNA Binding and Protein Interaction Studies. <b>2016</b> , 21,	10
892	Comparative Studies of Interactions between Fluorodihydroquinazolin Derivatives and Human Serum Albumin with Fluorescence Spectroscopy. <b>2016</b> , 21,	13
891	Binding Interaction between Bovine Serum Albumin and Chicoric Acid, a Food Functional Component. <b>2016</b> , 12, 149-158	1
890	A Glimpse of Our Journey into the Design of Optical Probes in Self-assembled Surfactant Aggregates. <b>2016</b> , 16, 1934-49	30
889	Glabridin, an isoflavan from licorice root, upregulates paraoxonase 2 expression under hyperglycemia and protects it from oxidation. <b>2016</b> , 60, 287-99	18
888	Spectroscopic Investigation on the Binding of a Cyanine Dye with Transferrin. <b>2016</b> , 29, 127-133	5
887	Investigation into the interaction of methylparaben and erythromycin with human serum albumin using multispectroscopic methods. <b>2016</b> , 31, 433-441	4
886	Characterization of the binding of paylean and DNA by fluorescence, UV spectroscopy and molecular docking techniques. <b>2016</b> , 31, 1013-9	8
885	Synthesis, characterization and biological evaluation of a cobalt(II) complex with 5-chloro-8-hydroxyquinoline as anticancer agent. <b>2016</b> , 30, 740-747	40
884	Synthesis, DNA binding, nuclease activity and cytotoxic studies of a wheel-shaped octanuclear copper(II) complex based on 1,2,4-triazole. <b>2016</b> , 30, 346-353	11
883	New anticancer zinc(II) complexes comprising thiosemicarbazones of saturated ring: structure, DNA/protein binding, DNA cleavage, topoisomerase-1 inhibition and anti-proliferation studies. <b>2016</b> , 30, 481-487	6
882	Two dpa-based zinc(II) complexes as potential anticancer agents: nuclease activity, cytotoxicity and apoptosis studies. <b>2016</b> , 40, 7513-7521	38
881	Synthesis, structure and spectroscopic studies on DNA binding, BSA interaction of a nickel(II) complex containing l-homocysteine Schiff base and 1,10-phenanthroline. <b>2016</b> , 69, 2437-2453	20

880	Characterization of 6-propylthiouracil and its interaction with human serum albumin on Au surface by surface-enhanced Raman scattering. <b>2016</b> , 47, 221-226	4
879	Half-sandwich RuCl <sub>2</sub> ( $\eta$ -6-p-cymene) core complexes containing sulfur donor aroylthiourea ligands: DNA and protein binding, DNA cleavage and cytotoxic studies. <b>2016</b> , 45, 12518-31	68
878	Spectroscopic studies of bovine serum albumin adsorbed onto magnetic-thermosensitive carbon microspheres. <b>2016</b> , 31, 1461-1467	1
877	Binding interaction and conformational changes of human serum albumin with ranitidine studied by spectroscopic and time-resolved fluorescence methods. <b>2016</b> , 13, 1325-1338	27
876	Four Cu(II) complexes based on antitumor chelators: synthesis, structure, DNA binding/damage, HSA interaction and enhanced cytotoxicity. <b>2016</b> , 45, 8036-49	40
875	Interactions between polyphenols in thinned young apples and porcine pancreatic $\alpha$ -amylase: Inhibition, detailed kinetics and fluorescence quenching. <b>2016</b> , 208, 51-60	96
874	Synthesis of Bovine Serum Albumin Conjugated With ZnO Nanosphere for High-Speed Humidity Sensing Application. <b>2016</b> , 16, 1510-1517	8
873	A comprehensive investigation of the differential interaction of human serum albumin with gold nanoparticles based on the variation in morphology and surface functionalization. <b>2016</b> , 6, 52683-52694	20
872	Interaction of divalent metal ions with human translocase of inner membrane of mitochondria Tim23. <b>2016</b> , 475, 76-80	1
871	DNA Binding, Cleavage and Antibacterial Activity of Mononuclear Cu(II), Ni(II) and Co(II) Complexes Derived from Novel Benzothiazole Schiff Bases. <b>2016</b> , 26, 1317-29	25
870	Binding affinities of Schiff base Fe(II) complex with BSA and calf-thymus DNA: Spectroscopic investigations and molecular docking analysis. <b>2016</b> , 166, 84-94	23
869	DNA Binding Behavior, Sensor Studies, Antimicrobial, Photocleavage and In vitro Cytotoxicity of Synthesized Ru(II) Complexes with Assorted Intercalating Polypyridyl Ligands. <b>2016</b> , 26, 1101-13	9
868	Solvent-free synthesis of novel vanillidene derivatives of Meldrum's acid: biological evaluation, DNA and BSA binding study. <b>2016</b> , 6, 39452-39459	14
867	Synthesis and characterization of two Cu(II) complexes with a new pyrazole-based Schiff base ligand: crystallography, DNA interaction and antimicrobial activity of Ni(II) and Cu(II) complexes. <b>2016</b> , 69, 1618-1634	12
866	DNA-binding, cytotoxicity, cellular uptake, apoptosis and photocleavage studies of Ru(II) complexes. <b>2016</b> , 160, 142-53	28
865	DNA binding, BSA interaction and SOD activity of two new nickel(II) complexes with glutamine Schiff base ligands. <b>2016</b> , 161, 355-67	53
864	Quadruple labelled dual oxygen and pH-sensitive ratiometric nanosensors. <b>2016</b> , 8, 36-42	7
863	Visualizing repetitive diffusion activity of double-strand RNA binding proteins by single molecule fluorescence assays. <b>2016</b> , 105, 109-18	5

862	Synthesis, X-ray crystal structure, DNA/protein binding, DNA cleavage and cytotoxicity studies of N(4) substituted thiosemicarbazone based copper(II)/nickel(II) complexes. <b>2016</b> , 449, 82-95	50
861	Effects of N,N-heterocyclic ligands on the in vitro cytotoxicity and DNA interactions of copper(II) chloride complexes from amidino-O-methylurea ligands. <b>2016</b> , 40, 5861-5876	17
860	Probing the binding mechanisms of Tocopherol to trypsin and pepsin using isothermal titration calorimetry, spectroscopic, and molecular modeling methods. <b>2016</b> , 42, 415-34	14
859	Mixed-ligand copper(ii) Schiff base complexes: the role of the co-ligand in DNA binding, DNA cleavage, protein binding and cytotoxicity. <b>2016</b> , 45, 9073-87	100
858	Nucleic Acid Binding and Invitro Cytotoxicity Studies of Polymer Grafted Intercalating Copper(II) Complex. <b>2016</b> , 26, 579-588	2
857	Synthesis, crystal structure and spectroscopic studies of bismuth(III) complex with 2-substituted benzimidazole ligands. <b>2016</b> , 166, 56-61	11
856	Syntheses, crystal structures, and DNA-binding properties of two nickel(II) complexes with 1,3-bis(benzimidazol-2-yl)-2-oxapropane derivatives. <b>2016</b> , 69, 1577-1586	16
855	Synthesis, crystal structure, DNA-binding and magnetism of copper 15-metallacrown-5 complexes based on glycinehydroxamic acid ligand. <b>2016</b> , 6, 47196-47202	17
854	Studies on Photocleavage, DNA Binding, Cytotoxicity, and Docking Studies of Ruthenium(II) Mixed Ligand Complexes. <b>2016</b> , 26, 2119-2132	6
853	GFP as potential cellular viscosimeter. <b>2016</b> , 4, 035002	8
852	DNA binding, DNA cleavage and HSA interaction of several metal complexes containing N-(2-hydroxyethyl)-N'-benzoylthiourea and 1,10-phenanthroline ligands. <b>2016</b> , 21, 903-16	15
851	Copper(II), cobalt(II) and nickel(II) complexes of juglone: synthesis, structure, DNA interaction and enhanced cytotoxicity. <b>2016</b> , 29, 981-993	17
850	Binding of the alkaloid coralyne to parallel G-quadruplex DNA [d(TTGGGGT)] studied by multi-spectroscopic techniques. <b>2016</b> , 219, 49-58	9
849	Affinity of a new copper(II) complex to DNA/BSA and antioxidant/radical scavenging activities: crystal structure of [Cu(4,7-diphenyl-1,10-phenanthroline)(leucine)(NO <sub>3</sub> )(H <sub>2</sub> O)]. <b>2016</b> , 69, 2677-2696	23
848	In vitro DNA binding profile of enantiomeric dinuclear Cu(II)/Ni(II) complexes derived from l-/d-histidine-terephthaldehyde reduced Schiff base as potential chemotherapeutic agents. <b>2016</b> , 164, 83-95	14
847	Synthesis, crystal structures and biological evaluation of three ternary copper(II) complexes with fluorinated anthranilic acid derivatives. <b>2016</b> , 41, 897-907	3
846	Design, synthesis, characterization, cytotoxicity, molecular docking and analysis of binding interactions of novel acetylacetonatopalladium(II) alanine and valine complexes with CT-DNA and BSA. <b>2016</b> , 6, 96121-96137	34
845	Detection of Hypoxia using a Ratiometric Quantum Dot-based Oxygen Sensor. <b>2016</b> , 1, 1244-1250	29

844	Study on the interaction of 6-(2-morpholin-4-yl-ethyl)-6H-indolo [2,3-b]quinoxaline hydrochloride with human serum albumin by fluorescence spectroscopy. <b>2016</b> , 4, 034012	2
843	Role of PAMAM-OH dendrimers against the fibrillation pathway of biomolecules. <b>2016</b> , 93, 1007-1018	4
842	Binding interaction of ramipril with bovine serum albumin (BSA): Insights from multi-spectroscopy and molecular docking methods. <b>2016</b> , 164, 103-111	66
841	Synthesis, structural characterization, in vitro cytotoxicities, and BSA interaction of di-organotin(IV) complexes derived from salicylaldehyde nicotinoyl hydrazone. <b>2016</b> , 69, 2598-2609	21
840	Characterization of the interaction between a new merocyanine dye and bovine serum albumin. <b>2016</b> , 13, 2309-2317	5
839	Synthesis of Dipyridyl Ketone Isonicotinoyl Hydrazone Copper(II) Complex: Structure, Anticancer Activity and Anticancer Mechanism. <b>2016</b> , 26, 1987-1996	13
838	Interaction behavior between myricetin and dihydromyricetin with pepsin by spectroscopic and docking methods. <b>2016</b> , 223, 128-135	9
837	Mono-, bi- and multi-nuclear silver complexes constructed from bis(benzimidazole)-2-oxapropane ligands and methacrylate: syntheses, crystal structures, DNA-binding properties and antioxidant activities. <b>2016</b> , 6, 83697-83708	38
836	Perspectives on Fluorescence. <b>2016</b> ,	1
835	Synthesis, characterization, and crystal structure of RNA targeted L- and D-phenylalanine-(1,10-phen)Copper(II) conjugate complexes: comparative in vitro RNA binding profile of enantiomers and their biological evaluation by morphological studies and antibacterial activity. <b>2016</b> , 6, 79372-79382	15
834	Investigations on the interactions between naphthalimide-based anti-tumor drugs and human serum albumin by spectroscopic and molecular modeling methods. <b>2016</b> , 31, 88-95	12
833	Synthesis, crystal structures, and DNA-binding studies of two silver(I) complexes with 1,3-bis(1-ethylbenzimidazol-2-yl)-2-thiapropane. <b>2016</b> , 69, 2988-2998	21
832	Quinazoline derivative from indigenous isolate, Nocardiosis alba inhibits human telomerase enzyme. <b>2016</b> , 121, 1637-1652	1
831	The anti-tumor activity of novel oxovanadium complexes derived from thiosemicarbazones and fluoro-phenanthroline derivatives. <b>2016</b> , 117, 803-816	13
830	A comparative analyses of bioactive Cu(II) complexes using Hirshfeld surface and density functional theory (DFT) methods: DNA binding studies, cleavage and antibiofilm activities. <b>2016</b> , 453, 193-201	18
829	Dinuclear cadmium indomethacin and Lawsone complexes: synthesis, crystal structures, antiproliferative and biological evaluations. <b>2016</b> , 69, 3021-3034	3
828	Synthesis, characterization, biological activity, DNA and BSA binding study: novel copper(ii) complexes with 2-hydroxy-4-aryl-4-oxo-2-butenate. <b>2016</b> , 45, 15067-15077	25
827	Crystal structures, antibacterial, antioxidant and nucleic acid interactions of mononuclear, and tetranuclear palladium(II) complexes containing Schiff base ligands. <b>2016</b> , 69, 2736-2753	7

826	Fluorescence Spectroscopy: Basic Foundations and Methods. <b>2016</b> , 29-59	2
825	Conformational modulation of the farnesoid X receptor by prenylflavonoids: Insights from hydrogen deuterium exchange mass spectrometry (HDX-MS), fluorescence titration and molecular docking studies. <b>2016</b> , 1864, 1667-1677	13
824	Galangin competitively inhibits xanthine oxidase by a ping-pong mechanism. <b>2016</b> , 89, 152-160	32
823	Novel mononuclear Pt and Pd complexes containing (2,3-f)pyrazino(1,10)phenanthroline-2,3-dicarboxylic acid as a multi-donor ligand. Synthesis, structure, interaction with DNA, in vitro cytotoxicity, and apoptosis. <b>2016</b> , 164, 129-140	11
822	Ferrocenyl based pyrazoline derivatives with vanillic core: synthesis and investigation of their biological properties. <b>2016</b> , 6, 91420-91430	15
821	Toward a new avenue in ruthenium-sulphur chemistry of binuclear $\mu$ -sulphido bridged ( $\eta^5$ ) <sub>2</sub> complexes having Ru <sub>2</sub> S <sub>2</sub> core: Targeted synthesis, crystal structure, biomolecules interaction and their in vitro anticancer activities. <b>2016</b> , 453, 596-617	0
820	Molecular aspects of the interaction of spermidine and $\beta$ -chymotrypsin. <b>2016</b> , 92, 523-532	27
819	Binding of fluphenazine with human serum albumin in the presence of rutin and quercetin: An evaluation of food-drug interaction by spectroscopic techniques. <b>2017</b> , 32, 1056-1065	10
818	Synthesis and structure elucidation of new open cubane tetranuclear [CuII <sub>4</sub> ] Cluster: Evaluation of the DNA/HSA interaction and pBR322 DNA cleavage pathway and cytotoxicity. <b>2017</b> , 463, 142-155	7
817	An indicator-displacement assay based on the Murexide-Hg <sub>2</sub> <sup>+</sup> system for fluorescence turn-on detection of biothiols in biological fluids. <b>2017</b> , 249, 90-95	13
816	Detailed investigation of effects of Zn <sup>2+</sup> , Fe <sup>2+</sup> and Cu <sup>2+</sup> metal ions on the binding interaction between eletriptan hydrochloride an anti-migraine headache drug and bovine serum albumin by various spectrometric techniques and molecular docking studies. <b>2017</b> , 237, 23-37	3
815	Silver(I) complexes with chromone-derived hydrazones: investigation on the antimicrobial and cytotoxic effects. <b>2017</b> , 30, 379-392	8
814	Investigating the interaction of juglone (5-hydroxy-1, 4-naphthoquinone) with serum albumins using spectroscopic and in silico methods. <b>2017</b> , 14, 1527-1540	42
813	Novel mononuclear Cu (II) terpyridine complexes: Impact of fused ring thiophene and thiazole head groups towards DNA/BSA interaction, cleavage and antiproliferative activity on HepG2 and triple negative CAL-51 cell line. <b>2017</b> , 135, 434-446	38
812	Characterization of the interaction between triclosan and catalase. <b>2017</b> , 7, 9031-9036	3
811	Study of the Binding between Camptothecin Analogs and FTO by Spectroscopy and Molecular Docking. <b>2017</b> , 27, 1467-1477	20
810	Two Cu(II) complexes containing 2,4-diamino-6-(2-pyridyl)-1,3,5-triazine and amino acids: Synthesis, crystal structures, DNA/HSA binding, molecular docking, and in vitro cytotoxicity studies. <b>2017</b> , 465, 1-13	14
809	Spectroscopy study of the interaction between endocrine disruptor 4-OH-2,2',3,4'-BDE and human serum albumin. <b>2017</b> , 9, 3338-3346	2



808	The interaction of cationic and anionic porphyrins with the bovine serum albumin in borate buffer. <b>2017</b> , 88, 191-198	5
807	Investigation of the binding affinity in vitamin B12-Bovine serum albumin system using various spectroscopic methods. <b>2017</b> , 184, 262-269	40
806	The discovery of half-sandwich iridium complexes containing lidocaine and (pyren-1-yl)ethynyl derivatives of phenylcyanamide ligands for photodynamic therapy. <b>2017</b> , 46, 7242-7252	9
805	Exploring the interaction forces involved in the binding of the multiple myeloma drug lenalidomide to bovine serum albumin. <b>2017</b> , 238, 3-10	6
804	Biomolecular interaction and in vitro cytotoxicity of ruthenium complexes containing heterocyclic hydrazone. Is methanol a non-innocent solvent to influence the oxidation state of the metal and ligation of hydrazone?. <b>2017</b> , 132, 39-52	7
803	Tannic Acid Stabilised Copper Nanocluster Developed Through Microwave Mediated Synthesis as a Fluorescent Probe for the Turn on Detection of Dopamine. <b>2017</b> , 28, 2223-2238	13
802	Synthesis, characterization, in vitro cytotoxicity and DNA interaction study of phosphanegold(I) complexes with dithiocarbamate ligands. <b>2017</b> , 464, 37-48	27
801	Copper(II), cobalt(II) and nickel(II) complexes of lapachol: synthesis, DNA interaction, and cytotoxicity. <b>2017</b> , 35, 3330-3341	11
800	Study on the interaction between curcumin and CopC by spectroscopic and docking methods. <b>2017</b> , 96, 192-199	8
799	Identifying structural characteristics of humic acid to static and dynamic fluorescence quenching of phenanthrene, 9-phenanthrol, and naphthalene. <b>2017</b> , 122, 337-344	23
798	Spectroscopic and molecular docking study on the structure-affinity relationship and mechanism in the interaction of genistein and its derivatives with bovine serum albumin. <b>2017</b> , 32, 1368-1384	8
797	Organotin(IV) complexes derived from hydrazone Schiff base: Synthesis, crystal structure, in vitro cytotoxicity and DNA/BSA interactions. <b>2017</b> , 464, 137-146	51
796	DNA binding, cleavage, and cytotoxicity of binuclear phenolate nickel(II) complexes. <b>2017</b> , 70, 2113-2127	5
795	Interaction studies of copper complex containing food additive carmoisine dye with human serum albumin (HSA): Spectroscopic investigations. <b>2017</b> , 32, 1319-1327	12
794	Biophysical and biological studies of some polymer grafted metallo-intercalators. <b>2017</b> , 156, 320-329	8
793	Influence of antidepressant clomipramine hydrochloride drug on human serum albumin: Spectroscopic study. <b>2017</b> , 241, 91-98	47
792	Synthesis, crystal structures, DNA/bovine serum albumin binding, DNA cleavage and cytotoxicity of five mononuclear zinc(II) complexes. <b>2017</b> , 31, e3802	3
791	Investigation of the interaction between FTO and 3-substituted 2-aminochromones by spectroscopy and molecular modeling. <b>2017</b> , 26, 1349-1358	9



790	Improving the physicochemical properties of bicalutamide by complex formation with bovine serum albumin. <b>2017</b> , 106, 381-392	5
789	A novel platinum(II) anticancer complex of dansyl bis(2-benzothiazolylmethyl)amine with dimethyl sulfoxide as a leaving group: synthesis, cytotoxicity, interaction with DNA and human serum albumin. <b>2017</b> , 41, 6340-6348	17
788	Synthesis, physicochemical characterization and cytotoxic properties of riboflavin loaded Myrj52Silver nanoparticles. <b>2017</b> , 41, 5533-5541	3
787	Measurement of oxygen concentrations in bacterial biofilms using transient state monitoring by single plane illumination microscopy. <b>2017</b> , 3, 035020	11
786	Physicochemical Evidence on Sublethal Neonicotinoid Imidacloprid Interacting with an Odorant-Binding Protein from the Tea Geometrid Moth, <i>Ectropis obliqua</i> . <b>2017</b> , 65, 3276-3284	9
785	New binuclear Ni(II) metallates as potent antiproliferative agents against MCF-7 and HeLa cells. <b>2017</b> , 462, 174-187	7
784	Insights into the molecular interaction between two polyoxygenated cinnamoylcoumarin derivatives and human serum albumin. <b>2017</b> , 19, 10099-10115	27
783	DNA interactions and anticancer screening of copper(II) complexes of N-(methylpyridin-2-yl)-amidino-O-methylurea. <b>2017</b> , 42, 311-322	0
782	Heteroleptic Copper(I) Complexes of "Scorpionate" Bis-pyrazolyl Carboxylate Ligand with Auxiliary Phosphine as Potential Anticancer Agents: An Insight into Cytotoxic Mode. <b>2017</b> , 7, 45229	33
781	Synthesis, crystal structure and biological activities of a Ag(I) complex based on the V-shaped ligand 1,3-bis(1-benzylbenzimidazol-2-yl)-2-thiapropane. <b>2017</b> , 72, 281-288	10
780	Biocatalysis, DNA-protein interactions, cytotoxicity and molecular docking of Cu(II), Ni(II), Zn(II) and V(IV) Schiff base complexes. <b>2017</b> , 31, e3776	16
779	New silver(I) complex with diazafluorene based ligand: Synthesis, characterization, investigation of in vitro DNA binding and antimicrobial studies. <b>2017</b> , 1139, 407-417	20
778	Accurate absolute measurements of the Raman backscattering differential cross-section of water and ice and its dependence on the temperature and excitation wavelength. <b>2017</b> , 194, 58-64	13
777	Synthesis, characterization and biological activities of two novel orthopalladated complexes: Interactions with DNA and bovine serum albumin, antitumour activity and molecular docking studies. <b>2017</b> , 31, e3740	11
776	Improving Limits of Detection. Microdisc versus Microcylinder Electrodes. <b>2017</b> , 29, 1006-1013	11
775	New silver complexes with bioactive glycine and nicotinamide molecules - Characterization, DNA binding, antimicrobial and anticancer evaluation. <b>2017</b> , 168, 1-12	22
774	Interactions between epinastine and human serum albumin: Investigation by fluorescence, UV-vis, FTIR, CD, lifetime measurement and molecular docking. <b>2017</b> , 1137, 485-494	34
773	Synthesis, crystal structures and antitumor activity of two platinum(II) complexes with methyl hydrazinecarbodithioate derivatives of indolin-2-one. <b>2017</b> , 127, 137-146	16

772	Steroidal imidazoles: Synthesis, characterization, molecular docking studies with DNA and in vitro cytotoxicity. <b>2017</b> , 26, 372-383	2
771	An unlikely DNA cleaving agent: A photo-active trinuclear Cu(II) complex based on hexaazatriphenylene. <b>2017</b> , 168, 55-66	6
770	Synthesis of Ni(II) complexes bearing indole-based thiosemicarbazone ligands for interaction with biomolecules and some biological applications. <b>2017</b> , 22, 461-480	50
769	Four mononuclear platinum(II) complexes: synthesis, DNA/BSA binding, DNA cleavage and cytotoxicity. <b>2017</b> , 30, 17-26	12
768	Three structurally related Copper complexes with two isomers: DNA/BSA binding ability, DNA cleavage activity and excellent cytotoxicity. <b>2017</b> , 457, 7-18	20
767	Synthesis, crystal structure, stability studies, DNA/albumin interactions, and antimicrobial activities of two Cu(II) complexes with amino acids and 5-nitro-1,10-phenanthroline. <b>2017</b> , 70, 512-543	25
766	Myricetin inhibits the generation of superoxide anion by reduced form of xanthine oxidase. <b>2017</b> , 221, 1569-1577	59
765	Spectroscopic studies on the interactions between novel bisnaphthalimide derivatives and calf thymus DNA. <b>2017</b> , 166, 333-340	23
764	Two New Mononuclear Copper(II)-Dipeptide Complexes of 2-(2'-Pyridyl)Benzoxazole: DNA Interaction, Antioxidation and in Vitro Cytotoxicity Studies. <b>2017</b> , 27, 701-714	6
763	Multispectral and molecular docking studies on the interaction of human serum albumin with iohexol. <b>2017</b> , 248, 459-467	21
762	Synthesis, structural characterization and biological properties of phosphorescent iridium(III) complexes. <b>2017</b> , 177, 127-137	13
761	Crystal structure, theoretical and experimental electronic structure and DNA/BSA protein interactions of nickel(II) N2O2 tetradentate Schiff base complexes. <b>2017</b> , 138, 88-102	10
760	Spectroscopic investigations on the binding of an iodinated chlorin p-copper complex to human serum albumin. <b>2017</b> , 16, 1762-1770	8
759	Synthesis, characterization, and biological activities of a Cu(II) complex with the non-steroidal antiinflammatory drug flufenamic acid. <b>2017</b> , 70, 3501-3512	1
758	One new azido bridged dinuclear copper(II) thiosemicarbazide complex: synthesis, DNA/protein binding, molecular docking study and cytotoxicity activity. <b>2017</b> , 41, 12996-13011	31
757	Biological evaluation of dinuclear copper complex/dichloroacetic acid cocrystal against human breast cancer: design, synthesis, characterization, DFT studies and cytotoxicity assays. <b>2017</b> , 7, 47920-47932	28
756	Detection of tumor marker miRNA21 based on phosphorescent resonance energy transfer of MnZnS QDs. <b>2017</b> , 7, 41063-41069	10
755	Analytical Techniques Used to Detect DNA Binding Modes of Ruthenium(II) Complexes with Extended Phenanthroline Ring. <b>2017</b> , 27, 2119-2130	11

754	Screening the efficient biological prospects of triazole allied mixed ligand metal complexes. <b>2017</b> , 1150, 374-382	8
753	Synthesis, crystal structures, molecular docking and in vitro cytotoxicity studies of two new copper(II) complexes: special emphasis on their binding to HSA. <b>2017</b> , 41, 12429-12441	27
752	Interactions of Boron Clusters and their Derivatives with Serum Albumin. <b>2017</b> , 7, 9800	50
751	Binding of Gallic Acid and Epigallocatechin Gallate to Heat-Unfolded Whey Proteins at Neutral pH Alters Radical Scavenging Activity of in Vitro Protein Digests. <b>2017</b> , 65, 8443-8450	22
750	Coumarin centered copper(II) complex with appended-imidazole as cancer chemotherapeutic agents against lung cancer: molecular insight via DFT-based vibrational analysis. <b>2017</b> , 7, 36056-36071	33
749	Low-dimensional compounds containing bioactive ligands. Part IX: Synthesis, structures, spectra, in vitro antimicrobial and anti-tumor activities and DNA binding of Pd(II) complexes with 7-bromo-quinolin-8-ol. <b>2017</b> , 135, 195-205	8
748	Hybrid pharmacophore approach for bio-relevant di-imines based homobimetallic complexes incorporating functionalized dicarboxylates as co-ligands: Synthesis, spectral and structural activity dependent biological insights (in-vitro DNA and HSA binding, antioxidant and cytotoxicity). <b>2017</b> , 174, 106-125	6
747	Microwave-assisted synthesis of mixed ligands organotin(IV) complexes of 1,10-phenanthroline and L-proline: Physicochemical characterization, DFT calculations, chemotherapeutic potential validation by in vitro DNA binding and nuclease activity. <b>2017</b> , 174, 182-194	15
746	Probing the binding properties of dicyandiamide with pepsin by spectroscopy and docking methods. <b>2017</b> , 185, 1056-1062	39
745	A novel Pd(II) CNO pincer complex of MR (methyl red): synthesis, crystal structure, interaction with human serum albumin (HSA) in vitro and molecular docking. <b>2017</b> , 41, 9897-9907	9
744	Experimental and Theoretical Insights into the Inhibition Mechanism of Prion Fibrillation by Resveratrol and its Derivatives. <b>2017</b> , 8, 2698-2707	10
743	Synthesis, structures, fluorescence studies and cytotoxicity of a new Manganese(II) complex. <b>2017</b> , 47, 1509-1519	4
742	Design, synthesis and theoretical analysis of functionalized dicarboxylate moieties based on organotin(IV) dinuclear complexes: crystal structure elucidation and biological studies. <b>2017</b> , 70, 2625-2643	4
741	Effects of the fluorine substituent positions of the intercalating ligands on the binding behavior and third-strand stabilization of two Ru(II) complexes toward poly(U)poly(A)*poly(U) triplex RNA. <b>2017</b> , 175, 276-283	9
740	Discovery of small molecules binding to the normal conformation of prion by combining virtual screening and multiple biological activity evaluation methods. <b>2017</b> , 31, 1053-1062	4
739	Effect of the Helix-Coil Transition in Bovine Skin Gelatin on Its Associative Phase Separation with Lysozyme. <b>2017</b> , 33, 13530-13542	3
738	Biomimicking Oxidative Bromination and DNA Nuclease Activities of a New Structurally Characterised Oxido-Diperoxidomolybdenum(VI) Complex. <b>2017</b> , 2, 10199-10205	2
737	Mitochondrial and nuclear DNA dual damage induced by 2-(2?-quinolyl)benzimidazole copper complexes with potential anticancer activity. <b>2017</b> , 7, 51162-51174	11

736	Synthesis and Biological Evaluation of Ru(II) and Pt(II) Complexes Bearing Carboxyl Groups as Potential Anticancer Targeted Drugs. <b>2017</b> , 56, 13679-13696	29
735	Synthesis, Spectral Characterization, DNA/ Protein Binding, DNA Cleavage, Cytotoxicity, Antioxidative and Molecular Docking Studies of Cu(II)Complexes Containing Schiff Base-bpy/Phen Ligands. <b>2017</b> , 27, 953-965	8
734	New cyclometalated Ir(III) complexes with NCN pincer and meso-phenylcyanamide BODIPY ligands as efficient photodynamic therapy agents. <b>2017</b> , 7, 34160-34169	24
733	Spectroscopic and molecular modeling studies on the interactions of some benzofuran derivatives with BSA. <b>2017</b> , 148, 1887-1896	1
732	Investigating Interaction Between Biochanin A and Human Serum Albumin by Multi-spectroscopic and Molecular Simulation Methods. <b>2017</b> , 23, 325-333	2
731	Synthesis, characterization and crystal structures of two pentagonal-bipyramidal Fe(III) complexes with dihydrazone of 2,6-diacetylpyridine and Girard's T reagent. Anticancer properties of various metal complexes of the same ligand. <b>2017</b> , 174, 137-149	15
730	Natural alkaloid Luotonin A and its affixed acceptor molecules: Serum albumin binding studies. <b>2017</b> , 173, 499-507	21
729	Mononuclear Pd(II) complex as a new therapeutic agent: Synthesis, characterization, biological activity, spectral and DNA binding approaches. <b>2017</b> , 1148, 339-346	16
728	Solvent-assisted formation of ruthenium(II)/copper(I) complexes containing thiourea derivatives: Synthesis, crystal structure, density functional theory, enzyme mimetics and in vitro biological perspectives. <b>2017</b> , 31, e3652	6
727	Synthesis and crystal structures of novel copper(II) complexes with glycine and substituted phenanthrolines: reactivity towards DNA/BSA and in vitro cytotoxic and antimicrobial evaluation. <b>2017</b> , 22, 61-85	45
726	Inhibition kinetics and molecular simulation of p-substituted cinnamic acid derivatives on tyrosinase. <b>2017</b> , 95, 1289-1297	20
725	Syntheses, crystal structures and DNA-binding studies of Cu(II) and Zn(II) complexes bearing asymmetrical aroylhydrazone ligand. <b>2017</b> , 1130, 818-828	20
724	New 4'-(4-chlorophenyl)-2,2':6',2?-terpyridine ruthenium(II) complexes: Synthesis, characterization, interaction with DNA/BSA and cytotoxicity studies. <b>2017</b> , 169, 1-12	61
723	Synthesis, electronic structure and molecular docking of new organometallic palladium (II) complexes with intercalator ligands: The influence of bridged ligands on enhanced DNA/serum protein binding and in vitro antitumoral activity. <b>2017</b> , 827, 1-14	23
722	Competitive binding of (-)-epigallocatechin-3-gallate and 5-fluorouracil to human serum albumin: A fluorescence and circular dichroism study. <b>2017</b> , 173, 584-592	41
721	Spectroscopic and molecular docking study on the interaction between salicylic acid and the induced disease-resistant protein OsAAA1 of rice. <b>2017</b> , 173, 1001-1006	2
720	Influence of glycosylation of deamidated wheat gliadin on its interaction mechanism with resveratrol. <b>2017</b> , 221, 431-438	23
719	Investigation of the Interaction between 1,3-Diazaheterocyclic Compounds and the Fat Mass and Obesity-Associated Protein by Fluorescence Spectroscopy and Molecular Modeling. <b>2017</b> , 27, 369-378	10

7 <sup>18</sup>	Spectroscopic and DNA interaction studies on mixed ligand copper(II) complexes of dicyanamide with ethylenediamine or 1,3-diaminopropane. <b>2017</b> , 47, 223-233	7
7 <sup>17</sup>	Characterization of interactions of simvastatin, pravastatin, fluvastatin, and pitavastatin with bovine serum albumin: multiple spectroscopic and molecular docking. <b>2017</b> , 35, 1529-1546	57
7 <sup>16</sup>	Fluorescence spectroscopic and molecular docking studies of the binding interaction between the new anaplastic lymphoma kinase inhibitor crizotinib and bovine serum albumin. <b>2017</b> , 171, 174-182	46
7 <sup>15</sup>	Synthesis and crystal structures of cobalt(II), cadmium(II), and zinc(II) complexes of 4-nitro phenylcyanamide: enhancing the biological properties through bound to human serum albumin. <b>2017</b> , 35, 2055-2065	9
7 <sup>14</sup>	Flexible amine-functionalized triphenylamine derivative as a fluorescent "light-up" probe for G-quadruplex DNA. <b>2017</b> , 136, 78-84	20
7 <sup>13</sup>	Formation of nanocomplexes comprising whey proteins and fucoxanthin: Characterization, spectroscopic analysis, and molecular docking. <b>2017</b> , 63, 391-403	70
7 <sup>12</sup>	Alkali-earth metal bridges formed in biofilm matrices regulate the uptake of fluoroquinolone antibiotics and protect against bacterial apoptosis. <b>2017</b> , 220, 112-123	12
7 <sup>11</sup>	The interaction of serum albumin with ginsenoside Rh2 resulted in the downregulation of ginsenoside Rh2 cytotoxicity. <b>2017</b> , 41, 330-338	10
7 <sup>10</sup>	Investigation of the interaction of deltamethrin (DM) with human serum albumin by multi-spectroscopic method. <b>2017</b> , 1129, 160-168	23
7 <sup>09</sup>	Spectroscopic exploration and thermodynamic characterization of desvenlafaxine interacting with fluorescent bovine serum albumin. <b>2017</b> , 30, e2567	4
7 <sup>08</sup>	In vitro study on binding interaction of quinapril with bovine serum albumin (BSA) using multi-spectroscopic and molecular docking methods. <b>2017</b> , 35, 2211-2223	53
7 <sup>07</sup>	Redox active and inactive binuclear cobalt(II) and zinc(II) complexes with N6O/N3O coordinating ligands: synthesis, biological activities and cytotoxicity. <b>2017</b> , 31, e3548	7
7 <sup>06</sup>	Study on the interaction between anti-tuberculosis drug ethambutol and bovine serum albumin: multispectroscopic and cyclic voltammetric approaches. <b>2017</b> , 32, 206-216	10
7 <sup>05</sup>	Characterization of the binding of neomycin/paromomycin sulfate with DNA using acridine orange as fluorescence probe and molecular docking technique. <b>2017</b> , 35, 2077-2089	10
7 <sup>04</sup>	Multi-spectroscopic characterization of bovine serum albumin upon interaction with atomoxetine. <b>2017</b> , 7, 148-155	65
7 <sup>03</sup>	Dose-, time- and lipophilicity-dependent silver(I)-heterocyclic carbene complexes: Synthesis, characterization and interaction with plasmid and Aedes albopictus DNA. <b>2017</b> , 31, e3655	12
7 <sup>02</sup>	Novel Cu(II) complexes of bithiazole: structure and biological study. <b>2017</b> , 14, 491-502	5
7 <sup>01</sup>	Evaluation of pendimethalin binding to human serum albumin: Insights from spectroscopic and molecular modeling approach. <b>2017</b> , 31, N/A	9

700	Methyl Benzoate Gallium(III) corrole complexes: DNA-binding, Photocleavage Activity, Cytotoxicity on Tumor Cells. <b>2017</b> , 31, e3571	14
699	Synthesis and CBI activation reactions of cyclometalated copper(I) complexes with NCN pincer and 1,3,5-triaza-7-phosphaadamantane derivatives: in vitro antimicrobial and cytotoxic activity. <b>2017</b> , 41, 10972-10984	11
698	Synthesis, characterization, DNA binding and cleavage studies of mixed-ligand copper (II) complexes. <b>2017</b> , 10, S3367-S3374	36
697	The investigation of interaction between Thioguanine and human serum albumin by fluorescence and modeling. <b>2017</b> , 10, S1781-S1787	8
696	Plasmon-enhanced luminescence in novel complex conjugated polymer nanoparticles. <b>2017</b> , 42, 3789-3792	8
695	Study of the Interactions of Bovine Serum Albumin with the New Anti-Inflammatory Agent 4-(1,3-Dioxo-1,3-dihydro-2H-isindol-2-yl)-N'-[(4-ethoxy-phenyl)methylidene]benzohydrazide Using a Multi-Spectroscopic Approach and Molecular Docking. <b>2017</b> , 22,	41
694	Biophysical and In Silico Studies of the Interaction between the Anti-Viral Agents Acyclovir and Penciclovir, and Human Serum Albumin. <b>2017</b> , 22,	20
693	Probing the Characterization of the Interaction of Aflatoxins B1 and G1 with Calf Thymus DNA In Vitro. <b>2017</b> , 9,	19
692	Synthesis and Biophysical Insights into the Binding of a Potent Anti-Proliferative Non-symmetric Bis-isatin Derivative with Bovine Serum Albumin: Spectroscopic and Molecular Docking Approaches. <b>2017</b> , 7, 617	14
691	Spectrophotometric and molecular modelling studies on in vitro interaction of tyrosine kinase inhibitor linifanib with bovine serum albumin. <b>2017</b> , 12, e0176015	46
690	Study of binding interaction of rivaroxaban with bovine serum albumin using multi-spectroscopic and molecular docking approach. <b>2017</b> , 11, 134	36
689	Comparative Interactions of Dihydroquinazolin Derivatives with Human Serum Albumin Observed via Multiple Spectroscopy. <b>2017</b> , 7, 200	7
688	Investigation of the photophysical and photochemical behavior of substituted zinc phthalocyanines and their water-soluble quaternized derivatives. <b>2017</b> , 41, 917-930	2
687	Probing the interaction of the phytochemical 6-gingerol from the spice ginger with DNA. <b>2018</b> , 113, 124-131	9
686	Synthesis, crystal structure and biological studies of new hydrazone ligand, 2-(Methoxycarbonyl-hydrazono)-pentanedioic acid and its silver(I) complex. <b>2018</b> , 477, 66-74	23
685	Probing the binding of lomefloxacin to a calf thymus DNA-histone H1 complex by multi-spectroscopic and molecular modeling techniques. <b>2018</b> , 256, 127-138	80
684	Synthesis and characterization of new unsymmetrical Schiff base Zn (II) and Co (II) complexes and study of their interactions with bovin serum albumin and DNA by spectroscopic techniques. <b>2018</b> , 198, 38-50	31
683	Photocatalytic Regulation of an Autocatalytic Wave of Spatially Propagating Enzymatic Reactions. <b>2018</b> , 10, 1798-1803	7



682	Exploring the interaction of silver nanoparticles with pepsin and its adsorption isotherms and kinetics. <b>2018</b> , 286, 52-59	14
681	DNA-binding, photocleavage and anti-cancer activity of tin(IV) corrole. <b>2018</b> , 22, 739-750	11
680	Synthesis, characterization and photoluminescence of substituted terpyridine compounds and their molecular docking studies with bovine hemoglobin. <b>2018</b> , 358, 17-25	8
679	Spectroscopic investigation on the interaction characteristics and inhibitory activities between baicalin and acetylcholinesterase. <b>2018</b> , 27, 1589-1598	5
678	Biological evaluation of selected 3,4-dihydro-2(1H)-quinoxalinones and 3,4-dihydro-1,4-benzoxazin-2-ones: Molecular docking study. <b>2018</b> , 351, e1700308	8
677	Computational and experimental study on the interaction of three novel rare earth complexes containing 2,9-dimethyl-1,10-phenanthroline with human serum albumin. <b>2018</b> , 15, 1581-1591	11
676	Biophysical characterization of interactions between falcarinol-type polyacetylenes and human serum albumin via multispectroscopy and molecular docking techniques. <b>2018</b> , 200, 111-119	14
675	Synthesis, characterization and binding studies of novel diorganotin(IV) complexes of sodium 2-mercaptoethanesulfonate. <b>2018</b> , 32, e4365	4
674	Development of a carbazole-based fluorescence probe for G-quadruplex DNA: The importance of side-group effect on binding specificity. <b>2018</b> , 199, 441-447	12
673	The interaction of silver nanoparticles with papain and bromelain. <b>2018</b> , 42, 4940-4950	8
672	Crystal structure, DNA binding, cleavage, antioxidant and antibacterial studies of Cu(II), Ni(II) and Co(III) complexes with 2-((furan-2-yl)methylimino)methyl)-6-ethoxyphenol Schiff base. <b>2018</b> , 1160, 198-207	36
671	Binding of clenbuterol to HSA and FTO: a spectroscopic analysis and molecular docking. <b>2018</b> , 27, 944-953	5
670	Multispectroscopic DNA-Binding studies and antimicrobial evaluation of new mixed-ligand Silver(I) complex and nanocomplex: A comparative study. <b>2018</b> , 1160, 117-128	9
669	Stereospecific ligands and their complexes. XXIV. Synthesis, characterization and some biological properties of Pd(II) and Pt(II) complexes with R2-S,S-eddtyr. <b>2018</b> , 42, 3924-3935	8
668	The self-assembly over nano- to submicro-length scales in water of a fluorescent julolidine-labeled amphiphilic random terpolymer. <b>2018</b> , 56, 797-804	13
667	Fluorescence spectra of human neuroglobin. <b>2018</b> , 51, 17-21	2
666	Mechanistic insights into the inhibition of quercetin on xanthine oxidase. <b>2018</b> , 112, 405-412	48
665	Exploiting the biological efficacy of benzimidazole based Schiff base complexes with L-Histidine as a co-ligand: Combined molecular docking, DNA interaction, antimicrobial and cytotoxic studies. <b>2018</b> , 77, 269-279	32



664	Punicalagin, an active pomegranate component, is a new inhibitor of PDIA3 reductase activity. <b>2018</b> , 147, 122-129	19
663	Multispectroscopic DNA interaction and Docking studies. <b>2018</b> , 32, e4254	8
662	Cytotoxic activity and structural features of Ru(II)/phosphine/amino acid complexes. <b>2018</b> , 182, 48-60	17
661	Unraveling the binding characteristics of the anti-HIV agents abacavir, efavirenz and emtricitabine to bovine serum albumin using spectroscopic and molecular simulation approaches. <b>2018</b> , 251, 345-357	11
660	Interaction of anthraquinones of seeds with DNA and Glutathione. <b>2018</b> , 5, 164-172	14
659	Difference in Binding of Long- and Medium-Chain Fatty Acids with Serum Albumin: The Role of Macromolecular Crowding Effect. <b>2018</b> , 66, 1242-1250	16
658	Determination of Congo red in food samples by methyl- $\beta$ -cyclodextrin/Triton X-100 synergistic sensitized fluorescence quenching method of the derivatives of calix[4]arene. <b>2018</b> , 15, 1551-1559	0
657	Characterization of the complex between native and reduced bovine serum albumin with aquacobalamin and evidence of dual tetrapyrrole binding. <b>2018</b> , 23, 725-738	4
656	Anti-allergic activity of 3, 5, 6, 7, 8, 3', 4'-heptamethoxyflavone extracted from Citri Reticulatae Pericarpium. <b>2018</b> , 51, 236-243	2
655	Binding behaviors and kinetics studies on the interaction of silver nanoparticles with trypsin. <b>2018</b> , 114, 836-843	7
654	Insights into the molecular interaction between sucrose and $\beta$ -thymotrypsin. <b>2018</b> , 114, 950-960	31
653	Synthesis and characterization of nitrile functionalized silver(I)-N-heterocyclic carbene complexes: DNA binding, cleavage studies, antibacterial properties and mosquitocidal activity against the dengue vector, Aedes albopictus. <b>2018</b> , 150, 601-615	28
652	Newly synthesized Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes as potential anticancer candidates. <b>2018</b> , 32, e4309	18
651	Interaction of promethazine and adiphenine to human hemoglobin: A comparative spectroscopic and computational analysis. <b>2018</b> , 199, 32-42	36
650	Underlying molecular interaction of bovine serum albumin and linezolid: a biophysical outlook. <b>2018</b> , 36, 387-397	24
649	Synthesis, characterization, DNA and HSA binding studies of isomeric Pd (II) antitumor complexes using spectrophotometry techniques. <b>2018</b> , 36, 1329-1350	17
648	Antibacterial combination therapy using Co, Cu, Zn and Pd complexes: Their calf thymus DNA binding studies. <b>2018</b> , 36, 512-531	20
647	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <b>2018</b> , 36, 795-809	59

646	Synthesis and characterization of two new trans palladium (II) complexes containing benzylamine ligand: DNA/BSA interactions, molecular docking and in vitro cytotoxic activity. <b>2018</b> , 471, 797-807	31
645	Development of oxidovanadium and oxido-peroxido vanadium-based artificial DNA nucleases via multi spectroscopic investigations and theoretical simulation of DNA binding. <b>2018</b> , 36, 919-927	8
644	pH- and ionic strength-dependent interaction between cyanidin-3-O-glucoside and sodium caseinate. <b>2018</b> , 267, 52-59	18
643	Toxic effects of copper (II) ions on bovine hemoglobin. <b>2018</b> , 51, 67-73	4
642	Saffron carotenoids (crocin and crocetin) binding to human serum albumin as investigated by different spectroscopic methods and molecular docking. <b>2018</b> , 36, 1681-1690	13
641	Deciphering the mechanism of interaction of edifenphos with calf thymus DNA. <b>2018</b> , 188, 244-251	23
640	Synthesis, crystal structure and biological activity of two binuclear Ag(I) complexes with bis-benzimidazole thioether ligands. <b>2018</b> , 471, 82-90	24
639	Study on the interaction between cannabinal and DNA using acridine orange as a fluorescence probe. <b>2018</b> , 31, e2682	13
638	In vitro interaction of cefotaxime with calf thymus DNA: Insights from spectroscopic, calorimetric and molecular modelling studies. <b>2018</b> , 149, 193-205	34
637	New heteroleptic Zn(II) complexes of thiosemicarbazone and diimine Co-Ligands: Structural analysis and their biological impacts. <b>2018</b> , 1153, 1-11	25
636	Cobalt(II)thetformin complexes containing diimine/diamine as auxiliary ligand: DNA binding properties. <b>2018</b> , 32, e4074	10
635	Probing the intermolecular interactions into serum albumin and anthraquinone systems: a spectroscopic and docking approach. <b>2018</b> , 36, 3362-3375	14
634	Synthesis, structure, and biological active evaluation of a new cyclic tetranuclear copper(II) complex bridged both by oxamido and carboxylate groups. <b>2018</b> , 32, e22003	1
633	Synthesis, crystal structure, DNA binding and antitumor studies of diketone complexes of divalent copper, zinc and palladium. <b>2018</b> , 469, 76-86	19
632	Fluorescence spectroscopic analysis of the interaction of papain and bromelain with l-ascorbic acid, tocopherol, carotene and astaxanthin. <b>2018</b> , 107, 144-156	14
631	Proton pump inhibitors have pH-dependent effects on the thermostability of the carboxyl-terminal domain of voltage-gated proton channel Hv1. <b>2018</b> , 47, 237-247	
630	Binding of ibuprofen to human hemoglobin: elucidation of their molecular recognition by spectroscopy, calorimetry, and molecular modeling techniques. <b>2018</b> , 36, 3137-3154	6
629	DNA fastening and scission actions of Cu(II), Co(II), Ni(II) and Zn(II) complexes: synthesis, spectral characterization and cytotoxic study. <b>2018</b> , 32, e4010	7

628	Synthesis and structural and DNA binding studies of mono- and dinuclear copper(II) complexes constructed with -O and -N donor ligands: Potential anti-skin cancer drugs. <b>2018</b> , 32, e3998	7
627	Spectro Analytical, Computational and In Vitro Biological Studies of Novel Substituted Quinolone Hydrazone and it's Metal Complexes. <b>2018</b> , 28, 225-241	8
626	Studies on the DNA binding and anticancer activity of Ru(II) polypyridyl complexes by using a (2-(4-(diethoxymethyl)-1H-imidazo[4,5-f][1,10] phenanthroline)) intercalative ligand. <b>2018</b> , 42, 846-859	27
625	A saccharinate-bridged palladacyclic dimer with a PdPd bond: experimental and molecular docking studies of the interaction with DNA and BSA and in vitro cytotoxicity against human cancer cell lines. <b>2018</b> , 42, 574-586	21
624	Recombinant rice xylanase inhibitor (RIXI) expressed in Escherichia coli and its inhibitory activity on family GH11endo-xylanases. <b>2018</b> , 117, 1343-1351	9
623	Interactions of hemin with bovine serum albumin and human hemoglobin: A fluorescence quenching study. <b>2018</b> , 193, 23-32	78
622	Single X-ray crystal structure, DFT studies and topoisomerase I inhibition activity of a tailored ionic Ag(I) nalidixic acidpiperazinium drug entity specific for pancreatic cancer cells. <b>2018</b> , 42, 506-519	15
621	Human serum albuminlmlodipine binding studied by multi-spectroscopic, zeta-potential, and molecular modeling techniques. <b>2018</b> , 15, 223-243	10
620	In vitro and in vivo assessment of delivery of hydrophobic molecules and plasmid DNAs with PEO-PPO-PEO polymeric micelles on cornea. <b>2018</b> , 26, 869-878	9
619	Interaction of catecholamine precursor l-Dopa with lysozyme: A biophysical insight. <b>2018</b> , 109, 1132-1139	13
618	Biochemical and Biophysical characterization of curcumin binding to human mitotic kinesin Eg5: Insights into the inhibitory mechanism of curcumin on Eg5. <b>2018</b> , 109, 1189-1208	14
617	Non-covalent DNA binding, protein interaction, DNA cleavage and cytotoxicity of [Cu(quamol)Cl]4HO. <b>2018</b> , 107, 2501-2511	20
616	Interaction of zearalenone with bovine serum albumin as determined by fluorescence quenching. <b>2018</b> , 34, 39-48	15
615	New binary copper(II) complexes containing intercalating ligands: DNA interactions, an unusual static quenching mechanism of BSA and cytotoxic activities. <b>2018</b> , 36, 3878-3901	12
614	Synthesis, structure and in vitro antiproliferative activities of oxamido-bridged dicopper(II) complexes: A comparative study of experimental evidence and molecular docking of DNA/protein binding. <b>2018</b> , 32, e3940	3
613	Investigation on the interaction of newly designed potential antibacterial Zn(II) complexes with CT-DNA and HSA. <b>2018</b> , 36, 2713-2737	5
612	Example of square planar copper(II) biuret complex: crystal structure, DNA and protein binding activity and molecular docking study. <b>2018</b> , 48, 495-507	3
611	Fluorescence Spectral Study on the Interaction Between Copper(II) Complex with (E)-3-(2,3-Dihydrobenzo[b][1,4] Dioxin-6-Yl) Acrylic Acid and Urease. <b>2018</b> , 59, 1674-1677	

610	In vitro and in vivo antiproliferative activity of organo-nickel SCS-pincer complexes on estrogen responsive MCF7 and MC4L2 breast cancer cells. Effects of amine fragment substitutions on BSA binding and cytotoxicity. <b>2018</b> , 47, 16944-16957	11
609	Impact of nanogold morphology on interactions with human serum. <b>2018</b> , 20, 29558-29565	14
608	Design, synthesis and characterization of novel chromone based-copper(ii) antitumor agents with $\pi$ -donor ligands: comparative DNA/RNA binding profile and cytotoxicity.. <b>2018</b> , 8, 37375-37390	27
607	Synthesis, physicochemical and biological characterization of Ni(II) complex with imidazole-4-acetate anion as new antifungal agent. <b>2018</b> , 130, 1	3
606	Interactions of Bromocarbazoles with Human Serum Albumin Using Spectroscopic Methods. <b>2018</b> , 23,	6
605	Cytotoxicity studies, DNA interaction and protein binding of new Al (III), Ga (III) and In (III) complexes with 5-hydroxyflavone. <b>2018</b> , 32, e4579	15
604	Multi-spectroscopic studies on the interaction between traditional Chinese herb, helicid with pepsin. <b>2018</b> , 45, 1637-1646	7
603	Reactive oxygen species generation and human serum albumin damage induced by the combined effects of ultrasonic irradiation and brilliant cresyl blue. <b>2018</b> , 120, 1865-1871	
602	Biological evaluation, DNA/protein-binding aptitude of novel dibenzosuberene appended palladium (II)-thiourea complexes. <b>2018</b> , 32, e4567	17
601	A Spectroscopic Study of the Interaction Between the Bismarck Brown R <sub>BU</sub> (III) Complex and DNA. <b>2018</b> , 85, 791-799	1
600	Carbonyl-heterobimetallic Ru(II)/Fe(II)-complexes containing polypyridyl ligands: Synthesis, characterization, cellular viability assays and interactions with biomolecules. <b>2018</b> , 660, 156-167	4
599	Preservation of Cichoric Acid Antioxidant Properties Loaded in Heat Treated Lactoferrin Nanoparticles. <b>2018</b> , 23,	7
598	Determination of DNA based on fluorescence quenching of terbium doped carbon dots. <b>2018</b> , 185, 514	10
597	Interaction of haloperidol with human serum albumin and effect of metal ions on the binding. <b>2018</b> , 149, 2359-2368	8
596	Spectroscopic methodologies and molecular docking studies on the interaction of the soluble guanylate cyclase stimulator riociguat with human serum albumin. <b>2018</b> , 12, 369-374	3
595	Glass Transition and Self-Diffusion of Unentangled Polymer Melts Nanoconfined by Different Interfaces. <b>2018</b> , 51, 7509-7517	7
594	Rigid dinuclear ruthenium-arene complexes showing strong DNA interactions. <b>2018</b> , 189, 30-39	12
593	Copper(II) complexes of bidentate mixed ligands as artificial nucleases: Synthesis, crystal structure, characterization and evaluation of biological properties. <b>2018</b> , 156, 138-149	9

- 592 Copper(II) complexes based on quinoline-derived Schiff-base ligands: synthesis, characterization, HSA/DNA binding ability, and anticancer activity. **2018**, 9, 1663-1672 15
- 591 Binding properties of chiral ruthenium(II) complexes [Ru(bpy)dppz-11-COMe] toward the triplex RNA poly(U)-poly(A)-poly(U). **2018**, 186, 51-59 9
- 590 Fluorescence spectroscopy, molecular docking and molecular dynamic simulation studies of HSA-Aflatoxin B1 and G1 interactions. **2018**, 202, 345-353 35
- 589 Analytical investigation of the influence of ornidazole on the native protein fluorescence. **2018**, 201, 178-184 2
- 588 Exploring the intermolecular interactions and contrasting binding of flufenamic acid with hemoglobin and lysozyme: A biophysical and docking insight. **2018**, 116, 1105-1118 11
- 587 Combinatorial multispectral, thermodynamics, docking and site-directed mutagenesis reveal the cognitive characteristics of honey bee chemosensory protein to plant semiochemical. **2018**, 201, 346-353 8
- 586 New 3D Supramolecular Ag(I) Coordination Polymer Crystal Containing 2-Quinaldic Acid Radical Biological Ligand: Crystal Structure and Anticancer Activity. **2018**, 53, 1800065 23
- 585 Interaction between sorghum procyanidin tetramers and the catalytic region of glucosyltransferases-I from *Streptococcus mutans* UA159. **2018**, 112, 152-159 5
- 584 Exploration of ibuprofen binding with micellar assemblies of the efficiently-engineered gemini surfactants: Insights from spectroscopic and voltammetric studies. **2018**, 555, 121-132 4
- 583 Binding affinity studies of 1,2,3-triazole copper(II) complexes to human serum albumin. **2018**, 71, 1894-1909 5
- 582 [Ag(L)NO] Complexes with 2-Benzoylpyridine-Derived Hydrazones: Cytotoxic Activity and Interaction with Biomolecules. **2018**, 3, 7027-7035 16
- 581 Interaction of Conglycinin with catechin-impact on physical and oxidative stability of safflower oil-in-water emulsion. **2018**, 268, 315-323 11
- 580 Molecular insight into binding behavior of polyphenol (rutin) with beta lactoglobulin: Spectroscopic, molecular docking and MD simulation studies. **2018**, 269, 511-520 60
- 579 A room-temperature phosphorescence sensor for the detection of alkaline phosphatase activity based on Mn-doped ZnS quantum dots. **2018**, 274, 78-84 28
- 578 Efficient copper-based DNA cleavers from carboxylate benzimidazole ligands. **2018**, 23, 1165-1183 2
- 577 The potential impact of carboxylic-functionalized multi-walled carbon nanotubes on trypsin: A Comprehensive spectroscopic and molecular dynamics simulation study. **2018**, 13, e0198519 10
- 576 Proteins as Nano-Carriers for Bioactive Compounds. The Case of 7S and 11S Soy Globulins and Folic Acid Complexation. **2018**, 10, 21
- 575 Synthesis, structure, and DNA binding/cleavage of two novel binuclear Co(II) complexes. **2018**, 205, 435-441 7

574	A far-red fluorescent probe for selective G-quadruplex DNA targeting. <b>2018</b> , 59, 3272-3278	3
573	Features of interaction of tetraiodide meso-tetra(N-methyl-3-pyridyl)porphyrin with bovine serum albumin. <b>2018</b> , 265, 664-667	10
572	Study of Interactions of an Anticancer Drug Neratinib With Bovine Serum Albumin: Spectroscopic and Molecular Docking Approach. <b>2018</b> , 6, 47	53
571	Multispectroscopic and bioimaging approach for the interaction of rhodamine 6G capped gold nanoparticles with bovine serum albumin. <b>2018</b> , 183, 374-384	20
570	Cu II -Na I heteronuclear complex as anticancer entity against human breast cancer cell lines: DNA binding, cleavage, and Computational studies. <b>2018</b> , 479, 229-239	9
569	Copper-metformin ternary complexes: Thermal, photochemosensitivity and molecular docking studies. <b>2018</b> , 90, 621-633	16
568	Molecular interaction studies of some Co(III)-surfactants with the transport protein. <b>2018</b> , 169, 160-167	3
567	Synthesis, structures and mechanistic pathways of anticancer activity of palladium(II) complexes with indole-3-carbaldehyde thiosemicarbazones. <b>2018</b> , 42, 10818-10832	40
566	Anti-proliferative activity, molecular modeling studies and interaction with calf thymus DNA of novel ciprofloxacin analogues. <b>2018</b> , 130, 1	1
565	Biological evaluation of a novel amino acid-based macrocyclic Mn(III) and Fe(III) complexes. <b>2018</b> , 32, e4516	3
564	Novel 1,3,4-thiadiazole-chalcone hybrids containing catechol moiety: synthesis, antioxidant activity, cytotoxicity and DNA interaction studies. <b>2018</b> , 9, 1679-1697	11
563	Spectroscopic and molecular modeling studies on the interactions of fluoranthene with bovine hemoglobin. <b>2018</b> , 203, 301-307	11
562	Esterase activity and conformational changes of bovine serum albumin toward interaction with mephedrone: Spectroscopic and computational studies. <b>2018</b> , 31, e2734	44
561	Exploring the binding dynamics of etoricoxib with human hemoglobin: A spectroscopic, calorimetric, and molecular modeling approach. <b>2019</b> , 37, 3018-3028	5
560	Exploring the interaction between milrinone drug and lysozyme by fluorescence spectroscopy and differential scanning calorimetry. <b>2019</b> , 135, 2849-2856	3
559	Electronic and fluorescent studies on the interaction of DNA and BSA with a new ternary praseodymium complex containing 2,9-dimethyl 1,10-phenanthroline and antibacterial activities testing. <b>2019</b> , 37, 2283-2295	8
558	Use of spectroscopic and zeta potential techniques to study the interaction between lysozyme and curcumin in the presence of silver nanoparticles at different sizes. <b>2019</b> , 37, 2030-2040	82
557	Structural characterisation of a full-length mitochondrial outer membrane TOM40 preprotein translocase: implications for its interaction with presequence peptides. <b>2019</b> , 48, 35-43	1

556	Multispectroscopic insight, morphological analysis and molecular docking studies of Cu-based chemotherapeutic drug entity with human serum albumin (HSA) and bovine serum albumin (BSA). <b>2019</b> , 37, 3290-3304	29
555	Example of two novel thiocyanato bridged copper (II) complexes derived from substituted thiosemicarbazone ligand: structural elucidation, DNA/albumin binding, biological profile analysis, and molecular docking study. <b>2019</b> , 37, 2801-2822	15
554	Synthesis, characterization, and binding assessment with human serum albumin of three bipyridine lanthanide(III) complexes. <b>2019</b> , 37, 1438-1450	21
553	Micronomicin/tobramycin binding with DNA: fluorescence studies using of ethidium bromide as a probe and molecular docking analysis. <b>2019</b> , 37, 1464-1476	11
552	Synthesis, Crystal Structure, DNA Binding, and Cytotoxicity of a Zn(II) Complex Constructed from Phenylacetic Acid. <b>2019</b> , 60, 1180-1188	7
551	Theaflavin-3,3'-digallate increases the antibacterial activity of $\beta$ -lactam antibiotics by inhibiting metallo- $\beta$ -lactamase activity. <b>2019</b> , 23, 6955-6964	11
550	Camellia nitidissima Chi flower extracts inhibit $\alpha$ -amylase and $\alpha$ -glucosidase: In vitro by analysis of optimization of addition methods, inhibitory kinetics and mechanisms. <b>2019</b> , 86, 177-185	5
549	Metallacarboranes as a tool for enhancing the activity of therapeutic peptides. <b>2019</b> , 1457, 128-141	9
548	Synthesis of three new binuclear Mn complexes: characterization and DNA binding and cleavage properties. <b>2019</b> , 72, 2393-2408	0
547	Methyl substituent effect on one-dimensional copper(II) coordination polymers containing biologically active ligands: Synthesis, characterization, DNA interactions and cytotoxicities. <b>2019</b> , 33, e5122	12
546	Chromium-metformin ternary complexes: Thermal, DNA interaction and Docking studies. <b>2019</b> , 33, e5086	2
545	Effective synthesis of benzimidazoles-imidazo[1,2-a]pyrazine conjugates: A comparative study of mono-and bis-benzimidazoles for antitumor activity. <b>2019</b> , 180, 546-561	13
544	Synthesis, crystal structure and studies on the interaction with albumin of a new silver(I) complex based on 2-(4-nitrobenzenesulfonamido)benzoic acid. <b>2019</b> , 75, 1011-1020	
543	Effect of curcumin derivatives on hen egg white lysozyme amyloid fibrillation and their interaction study by spectroscopic methods. <b>2019</b> , 223, 117365	19
542	Synthesis, characterization, anti-tumor activity, photo-luminescence and BHB/HHb/Hsp90 molecular docking of zinc(II) hydroxyl-terpyridine complexes. <b>2019</b> , 201, 110790	9
541	Spectral and molecular modelling studies of sulfadoxine interaction with bovine serum albumin. <b>2019</b> , 382, 111871	6
540	Logic gate behavior and intracellular application of a fluorescent molecular switch for the detection of Fe and cascade sensing of F in pure aqueous media. <b>2019</b> , 17, 7497-7506	13
539	Synthesis, characterization and spectroscopic studies of surfactant loaded antiulcer drug into Chitosan nanoparticles for interaction with bovine serum albumin. <b>2019</b> , 527, 110462	8



538	Probing the interaction between levamlodipine and hemoglobin based on spectroscopic and molecular docking methods. <b>2019</b> , 223, 117306	10
537	Synthesis, structure, DNA binding and anticancer activity of a new tetranuclear Pb(II) complex constructed by 8-hydroxyquinolate and 4-nitrobenzoate ligands. <b>2019</b> , 42, 60-66	2
536	Design, synthesis and in vitro bioactivity of mixed ligand Ru(II) complexes bearing the fluoroquinolone antibacterial agents. <b>2019</b> , 44, 721-735	1
535	Syntheses, structure, DNA-binding and DFT studies of a Cu(II) complex based on a pyrazolone derivative. <b>2019</b> , 72, 3128-3143	
534	Interactions between tetracycline and extracellular polymeric substances in anammox granular sludge. <b>2019</b> , 293, 122069	10
533	Excitons in Carbonic Nanostructures. <b>2019</b> , 5, 71	26
532	Novel organotin (IV) complexes derived from 4,4'-oxybisbenzoic acid: synthesis, structure, in vitro cytostatic activity and binding interaction with BSA. <b>2019</b> , 33, e5199	5
531	In Vitro Cytotoxicity and Interaction of Noscapine with Human Serum Albumin: Effect on Structure and Esterase Activity of HSA. <b>2019</b> , 16, 952-966	56
530	Size-controlled fabrication of egg-like protein nanoparticles: thermodynamic characterization of the interaction between zein nanoparticles and serum albumin. <b>2019</b> , 6, 115001	1
529	Highly-efficient photosensitizer based on AIEgen-decorated porphyrin for protein photocleaving. <b>2019</b> , 30, 1965-1968	5
528	Platinum(II) coordination compounds with 4'-pyridyl functionalized 2,2':6',2''-terpyridines as an alternative to enhanced chemotherapy efficacy and reduced side-effects. <b>2019</b> , 201, 110809	10
527	New dinuclear Schiff base complexes of iron(II/III) and copper(II) ions: synthesis, crystal structure, and DNA-binding studies. <b>2019</b> , 49, 363-374	4
526	Copper(II) complexes based on levofloxacin and 2N-donor ligands: synthesis, crystal structures and in vitro biological evaluation. <b>2019</b> , 43, 15462-15481	21
525	Deciphering the Binding Mechanism of Noscapine with Lysozyme: Biophysical and Chemoinformatic Approaches. <b>2019</b> , 4, 16233-16241	18
524	Fungicide Tebuconazole Influences the Structure of Human Serum Albumin Molecule. <b>2019</b> , 24,	7
523	Binuclear ruthenium(II) complexes of 4,4'-azopyridine bridging ligand as anticancer agents: synthesis, characterization, and in vitro cytotoxicity studies. <b>2019</b> , 72, 2617-2635	4
522	Highly active copper(I) complexes of aroylthiourea ligands against cancer cells: synthetic and biological studies. <b>2019</b> , 43, 3188-3198	22
521	DNA cleavage, DNA/HSA binding study, and antiproliferative activity of a phenolate-bridged binuclear copper(II) complex. <b>2019</b> , 32, 227-240	6

520	Novel BTK inhibitor acalabrutinib (ACP-196) tightly binds to site I of the human serum albumin as observed by spectroscopic and computational studies. <b>2019</b> , 127, 536-543	15
519	Thioether sulfur-bound [Cu] complexes showing catechol oxidase activity and DNA cleaving behaviour. <b>2019</b> , 48, 1292-1313	9
518	Detecting lysozyme unfolding via the fluorescence of lysozyme encapsulated gold nanoclusters. <b>2019</b> , 7, 1167-1175	17
517	The synthesis and investigation of photochemical, photophysical and biological properties of new lutetium, indium, and zinc phthalocyanines substituted with PEGME-2000 blocks. <b>2019</b> , 24, 191-210	8
516	Synthesis of 5-(4-(1H-phenanthro[9,10-d]imidazol-2-yl)benzylidene)thiazolidine-2,4-dione as promising DNA and serum albumin-binding agents and evaluation of antitumor activity. <b>2019</b> , 166, 267-280	19
515	Spectroscopic, thermodynamic and molecular docking studies on the interaction of two water-soluble asymmetric cationic porphyrins with calf thymus DNA. <b>2019</b> , 16, 1327-1343	2
514	Effect of free L-cysteine on the structure and function of $\alpha$ -chymotrypsin. <b>2019</b> , 280, 79-86	20
513	Mechanistic and Conformational Studies on the Interaction Between Myriocin and Human Serum Albumin by Fluorescence Spectroscopy and Molecular Docking. <b>2019</b> , 48, 835-848	3
512	Hexanuclear Zn(II) and Mononuclear Cu(II) Complexes containing imino phenol ligands: Exploitation of their Catalytic and Biological Perspectives. <b>2019</b> , 33, e5011	4
511	Ruthenium(II) carbonyl complexes containing thiourea ligand: Enhancing the biological assets through biomolecules interaction and enzyme mimetic activities. <b>2019</b> , 150, 1059-1071	3
510	Process optimization for synthesis of the anticancer drug delivery vehicle P10 peptide and its interaction with doxorubicin. <b>2019</b> , 6, 085402	
509	Molecular mechanism investigation on the interaction of Clothianidin with human serum albumin. <b>2019</b> , 52, 246-252	5
508	Antiproliferative activity of copper(II) glutamine complexes with N,N-donor ligands: Synthesis, characterization, potentiometric studies and DNA/BSA interactions. <b>2019</b> , 1194, 245-255	14
507	Syntheses, characterization, DNA/BSA binding, and in vitro cytostatic activity of fluorobenzenetelluronic triorganotin(IV) esters. <b>2019</b> , 43, 9516-9526	2
506	How much can we trust polysorbates as food protein stabilizers - The case of bovine casein. <b>2019</b> , 96, 81-92	7
505	Insight into the enhanced sludge dewaterability by tannic acid conditioning and pH regulation. <b>2019</b> , 679, 298-306	52
504	Synthesis and in vitro evaluation of naphthalimide-benzimidazole conjugates as potential antitumor agents. <b>2019</b> , 17, 5349-5366	12
503	Improved sludge dewaterability by tannic acid conditioning: Temperature, thermodynamics and mechanism studies. <b>2019</b> , 230, 14-23	18

502	Discovery of a novel oxadiazine derivative of glucocorticoids endowed with DNA binding activities and molecular docking studies. <b>2019</b> , 13, 536-546	2
501	Radical cleavage pathway and DNA docking studies of novel chemotherapeutic platinum agent of 5,6-di-2-ithienyl-2,3-dihydropyrazine. <b>2019</b> , 170, 25-33	1
500	Interactions of binuclear copper(II) complexes with S-substituted thiosalicylate derivatives with some relevant biomolecules. <b>2019</b> , 72, 1603-1620	2
499	The Bio-Safety Concerns of Three Domestic Temporary Hair Dye Molecules: Fuchsin Basic, Victoria Blue B and Basic Red 2. <b>2019</b> , 24,	2
498	Oxidative Assets Toward Biomolecules and Cytotoxicity of New Oxindolimine-Copper(II) and Zinc(II) Complexes. <b>2019</b> , 7, 12	7
497	Modification of Serum Albumin by High Conversion of Carboxyl to Amino Groups Creates a Potent Inhibitor of Amyloid $\beta$ Protein Fibrillogenesis. <b>2019</b> , 30, 1477-1488	7
496	Spectroscopic and single-crystal X-ray diffraction studies of enantiomeric copper(II) Schiff base one-dimensional coordination polymers with 4-(2-aminoethyl)benzenesulfonamide appendage: Comprehensive biological evaluation (DNA binding, cleavage, superoxide dismutase mimetic activity, topoisomerase I inhibition and cytotoxicity). <b>2019</b> , 33, e4958	7
495	Binding properties of two Ru(II) polypyridyl complexes containing dppz units and fluorine groups with poly(U)-poly(A) * poly(U) triplex. <b>2019</b> , 197, 110705	7
494	Glucose oxidase promotes gallic acid-myofibrillar protein interaction and thermal gelation. <b>2019</b> , 293, 529-536	25
493	Synthesis, characterization, anticancer evaluation and mechanisms of cytotoxic activity of novel 3-hydroxy-3-pyrrolin-2-ones bearing thenoyl fragment: DNA, BSA interactions and molecular docking study. <b>2019</b> , 88, 102954	12
492	Enantiomeric Amino Acid Schiff Base Copper(II) Complexes as a New Class of RNA-Targeted Metallo-Intercalators: Single X-ray Crystal Structural Details, Comparative in Vitro DNA/RNA Binding Profile, Cleavage, and Cytotoxicity. <b>2019</b> , 4, 7691-7705	43
491	Design and synthesis of a DNA intercalative half-sandwich organoruthenium(II) $\pi$ -chromone complex: cytotoxicity evaluation and topoisomerase I inhibition assay. <b>2019</b> , 43, 5475-5487	17
490	DNA binding, photocleavage, antimicrobial and cytotoxic properties of Ru(II) polypyridyl complexes containing BOPIP ligand, (BOPIP = {2-(4-(benzyloxy) phenyl)-1H-imidazo [4,5-f] [1,2]phenanthroline}). <b>2019</b> , 38, 349-373	6
489	Ferrocene appended naphthalimide derivatives: Synthesis, DNA binding, and in vitro cytotoxic activity. <b>2019</b> , 888, 16-23	12
488	- , - and -Tryptophan-Based Polyamidoamino Acids: pH-Dependent Structuring and Fluorescent Properties. <b>2019</b> , 11,	11
487	MoS quantum dots as a unique fluorescent "turn-off-on" probe for the simple and rapid determination of adenosine triphosphate. <b>2019</b> , 7, 2549-2556	23
486	Effects of Milk Proteins on the Bioaccessibility and Antioxidant Activity of Oat Phenolics During In Vitro Digestion. <b>2019</b> , 84, 895-903	14
485	Trace metals complexation behavior with root exudates induced by salinity from a mangrove plant <i>Avicennia marina</i> (Forsk.) Vierh. <b>2019</b> , 23, 82-93	5

- 484 Crystal structure, Hirshfeld analysis and HSA interaction studies of N'-[(E)-(5-bromothiophen-2-yl)methylidene]-3-hydroxynaphthalene-2-carbohydrazide. **2019**, 1189, 343-351 6
- 483 Differential inhibition of GH family 11 endo-xylanase by rice xylanase inhibitor and verification by a modified yeast two-hybrid system. **2019**, 132, 514-523 5
- 482 Interaction of Human  $\alpha$ -Acid Glycoprotein (AGP) with Citrate-Stabilized Gold Nanoparticles: Formation of Unexpectedly Strong Binding Events. **2019**, 123, 5073-5083 6
- 481 Redox-cycling and intercalating properties of novel mixed copper(II) complexes with non-steroidal anti-inflammatory drugs tolfenamic, mefenamic and flufenamic acids and phenanthroline functionality: Structure, SOD-mimetic activity, interaction with albumin, DNA damage study and anticancer activity. **2019**, 194, 97-113 39
- 480 Binding and inhibitory effect of the food colorants Sunset Yellow and Ponceau 4R on amyloid fibrillation of lysozyme. **2019**, 43, 3956-3968 16
- 479 Study of the interaction of Co(III) polypyridyl complexes with DNA: an experimental and computational approach. **2019**, 38, 400-417 3
- 478 Organometallic binuclear Ru(II) complexes: Design, synthesis, DNA/BSA binding interactions and in-vitro cytotoxicity against HeLa cell line. **2019**, 102, 134-140 6
- 477 DNA binding and molecular docking studies of a new Cu(II) complex of isoxsuprine drug. **2019**, 162, 232-239 11
- 476 Selective, Fast-Response, and Regenerable Metal-Organic Framework for Sampling Excess Fluoride Levels in Drinking Water. **2019**, 141, 3052-3058 59
- 475 Water-soluble binary and ternary palladium(II) complexes containing amino acids and intercalating ligands: synthesis, characterization, biomolecular interactions and cytotoxicities. **2019**, 43, 4681-4697 12
- 474 Biomolecular Interaction, Anti-Cancer and Anti-Angiogenic Properties of Cobalt(III) Schiff Base Complexes. **2019**, 9, 2721 41
- 473 Characteristics of Novel Extraction and Photoinduced Precipitation Approach by PEG/SA and Fluorescence Monitoring of Cr(VI). **2019**, 7, 6323-6334 4
- 472 Biophysical investigation of promethazine hydrochloride binding with micelles of biocompatible gemini surfactants: Combination of spectroscopic and electrochemical analysis. **2019**, 215, 249-259 8
- 471 Synthesis, Structure, and Chemical Nuclease Activity of DNA with [Cu(dpq)(LMet)Cl]  $\cdot$  H<sub>2</sub>O. **2019**, 64, 1762-1768
- 470 Surfactant-Ruthenium(II) Complexes: Synthesis, Characterization, DNA Binding, Anticancer and Antimicrobial Activity. **2019**, 31, 1931-1942
- 469 DNA binding, cytotoxic effects and probable targets of an oxindolimine $\pi$ anadyl complex as an antitumor agent. **2019**, 43, 17831-17840 3
- 468 Details of the cooperative binding of piperlongumine with rat serum albumin obtained by spectroscopic and computational analyses. **2019**, 9, 15667 5
- 467 Human plasma dynamically quenches the fluorescein at the initial point of oxygen radical absorption capacity (ORAC) assay. **2019**, 12, 809 2

466	Preparation of a dimer from self-complementary of cobalt(III) complex with dissymmetric compartmental ligand and study of the interaction of the complex with DNA and BSA. <b>2019</b> , 72, 3304-3325	6
465	Betain loaded nanocarriers based on quinoa seed 11S globulin. Impact on the protein structure and antioxidant activity. <b>2019</b> , 87, 880-890	10
464	Interaction of soybean protein isolate and phosphatidylcholine in nanoemulsions: A fluorescence analysis. <b>2019</b> , 87, 814-829	32
463	The role of chlorine atom on the binding between 2-phenyl-1H-benzimidazole analogues and fat mass and obesity-associated protein. <b>2019</b> , 32, e2774	6
462	Synthesis, crystal structures and antioxidant activities of water-soluble salicylaldehyde Schiff base complexes. <b>2019</b> , 159, 355-364	5
461	Substituted Aromatic-Facilitated Dissemination of Mobile Antibiotic Resistance Genes via an Antihydrolysis Mechanism Across an Extracellular Polymeric Substance Permeable Barrier. <b>2019</b> , 53, 604-613	11
460	Suppression of riboflavin-sensitized singlet oxygen generation by l-ascorbic acid, 3-O-ethyl-l-ascorbic acid and Trolox. <b>2019</b> , 191, 116-122	8
459	Dissection of binding of trypsin to its natural inhibitor Gensenoside-Rg1 using spectroscopic methods and molecular modeling. <b>2019</b> , 37, 4070-4079	3
458	Cu (II) tyrosinate complexes containing methyl substituted phenanthrolines: Synthesis, X-ray crystal structures, biomolecular interactions, antioxidant activity, ROS generation and cytotoxicity. <b>2019</b> , 33, e4652	19
457	Two MnII, CuII complexes derived from 3,5-bis(1-imidazolyl) pyridine: Synthesis, DNA binding, Molecular docking and cytotoxicity studies. <b>2019</b> , 33, e4676	3
456	Interpretation of the binding interaction between bupropion hydrochloride with human serum albumin: A collective spectroscopic and computational approach. <b>2019</b> , 209, 264-273	15
455	Bioactive mono/bis (carboxyamide) based Co (II), Ni (II) and Cu (II) complexes: Synthesis, Characterization, DNA binding and Anticancer Potentials. <b>2019</b> , 33, e4660	2
454	Study on the interaction between calcium ions and alkaline protease of bacillus. <b>2019</b> , 124, 121-130	6
453	Synthesis, crystal structure, DNA/bovine serum albumin binding and antitumor activity of two transition metal complexes with 4-acylpyrazolone derivative. <b>2019</b> , 33, e4668	31
452	Synthesis, crystal structure of novel unsymmetrical heterocyclic Schiff base Ni(II)/V(IV) complexes: Investigation of DNA binding, protein binding and in vitro cytotoxic activity. <b>2019</b> , 488, 182-194	17
451	Binding interaction of a heteroleptic silver(I) complex with DNA: A joint experimental and computational study. <b>2019</b> , 126, 1244-1254	12
450	Transport of the Ruthenium Complex [Ru(GA)(dppe)]PF into Triple-Negative Breast Cancer Cells Is Facilitated by Transferrin Receptors. <b>2019</b> , 16, 1167-1183	22
449	The interaction of 5,10,15,20-tetrakis [4- (2,3,4,6-tetra-O-acetyl- $\beta$ -D-galactopyranosyl) phenyl] porphine with biopolymers. <b>2019</b> , 162, 266-271	6

448	Characterization of the binding and conformational changes of bovine serum albumin upon interaction with antihypertensive olmesartan medoxomil. <b>2019</b> , 1179, 269-277	7
447	Tris-chelated complexes of nickel(II) with bipyridine derivatives: DNA binding and cleavage, BSA binding, molecular docking, and cytotoxicity. <b>2019</b> , 37, 3887-3904	10
446	A New Series of Salicylic Acid Derivatives as Non-saccharide $\alpha$ -Glucosidase Inhibitors and Antioxidants. <b>2019</b> , 42, 231-246	5
445	Ordering selected Zn(II), Cu(II), Pd(II) and Co(III) complex compounds: their separately and combinedly antibacterial therapy and DNA-binding studies. <b>2019</b> , 37, 4419-4432	1
444	Study of the binding interactions between uric acid and bovine serum albumin using multiple spectroscopic techniques. <b>2019</b> , 276, 595-604	37
443	Life sensors: current advances in oxygen sensing by lanthanide complexes. <b>2019</b> , 43, 1094-1116	11
442	Interaction of anticancer drug pinostrobin with lysozyme: a biophysical and molecular docking approach. <b>2019</b> , 37, 4338-4344	16
441	Design, synthesis and characterization of tin-based cancer chemotherapy drug entity: In vitro DNA binding, cleavage, induction of cancer cell apoptosis by triggering DNA damage-mediated p53 phosphorylation and molecular docking. <b>2019</b> , 33, e4651	12
440	Probing interaction of bovine serum albumin (BSA) with the biodegradable version of cationic gemini surfactants. <b>2019</b> , 276, 519-528	31
439	Molecular interactions of AL3818 (anlotinib) to human serum albumin as revealed by spectroscopic and molecular docking studies. <b>2019</b> , 273, 259-265	21
438	Nonionic but water soluble, [Glycine-Pd-Alanine] and [Glycine-Pd-Valine] complexes. Their synthesis, characterization, antitumor activities and rich DNA/HSA interaction studies. <b>2019</b> , 37, 3566-3582	18
437	Carbohydrate-based heteronuclear complexes as topoisomerase I inhibitor: approach toward anticancer chemotherapeutics. <b>2019</b> , 37, 1494-1510	9
436	New tailored substituted benzothiazole Schiff base Cu(II)/Zn(II) antitumor drug entities: effect of substituents on DNA binding profile, antimicrobial and cytotoxic activity. <b>2019</b> , 37, 1863-1879	36
435	Syntheses, characterization, DNA/HSA binding ability and antitumor activities of a family of isostructural binuclear lanthanide complexes containing hydrazine Schiff base. <b>2020</b> , 38, 733-743	11
434	Spermine as a possible endogenous allosteric activator of carboxypeptidase A: multispectroscopic and molecular simulation studies. <b>2020</b> , 38, 101-113	13
433	Synthesis and characterization of heterobimetallic Sn-Cu/Zn complexes: DFT studies, cleavage potential and cytotoxic activity. <b>2020</b> , 38, 1130-1142	4
432	Formation of the inclusion complex of water soluble fluorescent calix[4]arene and naringenin: solubility, cytotoxic effect and molecular modeling studies. <b>2020</b> , 38, 3801-3813	9
431	How <i>Candida antarctica</i> lipase B can be activated in natural deep eutectic solvents: experimental and molecular dynamics studies. <b>2020</b> , 95, 86-93	19



430	Molecular dynamics simulation exploration of the interaction between curcumin and myosin combined with the results of spectroscopy techniques. <b>2020</b> , 101, 105455	38
429	Five novel palladium(II) complexes of 8-hydroxyquinoline and amino acids with hydrophobic side chains: synthesis, characterization, cytotoxicity, DNA- and BSA-interaction studies. <b>2020</b> , 38, 3059-3073	13
428	Experimental and theoretical investigations of Dy(III) complex with 2,2'-bipyridine ligand: DNA and BSA interactions and antimicrobial activity study. <b>2020</b> , 38, 4746-4763	10
427	Binding mechanism of maltol with catalase investigated by spectroscopy, molecular docking, and enzyme activity assay. <b>2020</b> , 33, e2822	4
426	DNA/BSA binding studies of peripherally tetra substituted neutral azophenoxy zinc phthalocyanine. <b>2020</b> , 175, 114208	6
425	Elucidation of binding mechanism of dibutyl phthalate on bovine serum albumin by spectroscopic analysis and molecular docking method. <b>2020</b> , 230, 118044	8
424	Structure elucidation {spectroscopic, single crystal X-ray diffraction and computational DFT studies} of new tailored benzenesulfonamide derived Schiff base copper(II) intercalating complexes: Comprehensive biological profile {DNA binding, pBR322 DNA cleavage, Topo I inhibition and cytotoxic activity}. <b>2020</b> , 94, 103427	17
423	Dinuclear ruthenium(II) polypyridyl complexes: Mechanistic study with biomolecules, DNA/BSA interactions and cytotoxic activity. <b>2020</b> , 178, 114334	8
422	The antidepressant drug; trazodone inhibits Tau amyloidogenesis: Prospects for prophylaxis and treatment of AD. <b>2020</b> , 679, 108218	12
421	Comparative studies on the interaction of spermidine with carboxypeptidase A using multispectroscopic and docking methods. <b>2020</b> , 147, 821-831	3
420	On-line tar monitoring using light-induced fluorescence: A setup for continuous operation in a biomass gasification plant environment. <b>2020</b> , 123, 105906	4
419	Catalytic effect of riboflavin on electron transfer from NADH to aquacobalamin. <b>2020</b> , 25, 125-133	1
418	Dynamics of Binding of Lysozyme with Gold Nanoparticles: Corona Formation and its Correlation with a Naked-Eye-Based Colorimetric Approach. <b>2020</b> , 15, 2050008	1
417	Unraveling Reversible Quenching Processes of O <sub>2</sub> , N <sub>2</sub> , Ar, and H <sub>2</sub> O in Metal Halide Perovskites at Moderate Photon Flux Densities. <b>2020</b> , 9, 2001317	7
416	Biophysical insights into the interaction of two enantiomers of Ru(II) complex [Ru(bpy)(7-CH-dppz)] with the RNA poly(U-A?U) triplex. <b>2020</b> , 25, 1085-1095	3
415	The Cytokine IL-1 $\beta$ and Piperine Complex Surveyed by Experimental and Computational Molecular Biophysics. <b>2020</b> , 10,	1
414	Copper(I) and silver(I) complexes of anthraldehyde thiosemicarbazone: synthesis, structure elucidation, anti-tuberculosis/cytotoxic activity and interactions with DNA/HSA. <b>2020</b> , 49, 17350-17367	6
413	Potent cyclometallated Pd(II) antitumor complexes bearing $\beta$ -amino acids: synthesis, structural characterization, DNA/BSA binding, cytotoxicity and molecular dynamics simulation. <b>2020</b> , 49, 14891-14907	4



412	From solid state to anticancer activity of copper(II) compounds with electronically-modulated NNO Schiff base ligands. <b>2020</b> , 49, 14626-14639	7
411	Ruthenium(II) Complexes of Isothiazole Ligands: Crystal Structure, HSA/DNA Interactions, Cytotoxic Activity and Molecular Docking Simulations. <b>2020</b> , 5, 11489-11502	4
410	Synthesis and characterization of chiral Ru(II) polypyridyl complexes and their binding and stabilizing effects toward triple-helical RNA. <b>2020</b> , 213, 111263	5
409	A water-stable terbium metal-organic framework as a highly sensitive fluorescent sensor for nitrite. <b>2020</b> , 7, 3379-3385	26
408	Synthesis, Cyclooxygenases Inhibition Activities and Interactions with BSA of -substituted 1-pyrrolo[3,4-c]pyridine-1,3()-diones Derivatives. <b>2020</b> , 25,	6
407	Biological properties of a benzothiazole-based mononuclear platinum(II) complex as a potential anticancer agent. <b>2020</b> , 73, 1817-1832	3
406	Experimental and computational interaction studies of terbium (III) and lanthanide (III) complexes containing 2,2'-bipyridine with bovine serum albumin and their anticancer and antimicrobial activities. <b>2021</b> , 39, 5105-5116	3
405	Rare-Earth Metal Complexes of the Antibacterial Drug Oxolinic Acid: Synthesis, Characterization, DNA/Protein Binding and Cytotoxicity Studies. <b>2020</b> , 25,	4
404	New Copper(II) Complexes of Pyridine-2-carboxaldehyde-N-(2-pyridyl)hydrazone and 2-Hydroxy-1-naphthaldehyde-semicarbazone: Synthesis, Characterization, DNA Binding and Antimicrobial Activity Studies. <b>2020</b> , 32, 2783-2792	2
403	Interaction of CT-DNA with Ruthenium(II) Metallosurfactant Complexes: Synthesis, CMC Determination, Antitumour and Antimicrobial Activities. <b>2020</b> , 32, 665-677	3
402	Evaluation of biomolecular interactions and cytotoxic activity of organometallic binuclear Ru(II) complexes of ferrocenyl thiosemicarbazones. <b>2021</b> , 39, 6044-6055	2
401	Synthesis of novel calix[4]arene -benzazole derivatives and investigation of their DNA binding and cleavage activities with molecular docking and experimental studies.. <b>2020</b> , 10, 38695-38708	0
400	Synthesis, characterization, HSA/DNA interactions and antitumor activity of new [Ru( $\eta$ -p-cymene)Cl(L)] complexes. <b>2020</b> , 213, 111256	10
399	Homo- and hetero-dinuclear Pt(II)/Pd(II) complexes: studies of hydrolysis, nucleophilic substitution reactions, DNA/BSA interactions, DFT calculations, molecular docking and cytotoxic activity. <b>2020</b> , 49, 14411-14431	9
398	Reactivity towards DNA and protein, cellular uptake, cytotoxic activity of a mononuclear copper(II) complex of the thioflavin-T (ThT)-based derivative. <b>2020</b> , 73, 1987-2003	2
397	A new ternary Cu (II) complex with 4,7-dimethyl-1,10-phenanthroline and NOO-type tridentate Schiff base ligand: Synthesis, crystal structure, biomacromolecular interactions, and radical scavenging activities. <b>2020</b> , 34, e6016	1
396	A potent drug candidature of Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes with bioactive ligands: synthesis, crystal structures, biomolecular interactions, radical scavenging and cytotoxicities. <b>2021</b> , 39, 7194-7212	1
395	Detailed Characterization of the Cooperative Binding of Piperine with Heat Shock Protein 70 by Molecular Biophysical Approaches. <b>2020</b> , 8,	1

394	The distinct O quenching mechanism between fluorescence and phosphorescence for dyes adsorbed on silica gel. <b>2020</b> , 22, 27144-27156	2
393	Ternary Cu(II) complexes: synthesis, structural elucidation, and biological studies (DNA binding, cleavage, antibacterial, cytotoxicity). <b>2020</b> , 46, 3341-3360	3
392	Synthesis, characterization, in silico and in vitro biological activity studies of Ru(II) ( $\eta^5$ -p-cymene) complexes with novel N-dibenzosuberene substituted aryl selenourea exhibiting Se type coordination. <b>2020</b> , 46, 3853-3877	7
391	A chiral binuclear nickel(II) complex with Schiff base ligand: synthesis, crystal structure, DNA/BSA binding interactions and SOD activity. <b>2020</b> , 45, 381-390	2
390	Probing the toxic interactions between polyvinyl chloride microplastics and Human Serum Albumin by multispectroscopic techniques. <b>2020</b> , 734, 139219	19
389	Self-Healing Dyes-Keeping the Promise?. <b>2020</b> , 11, 4462-4480	13
388	Anti-tumoral and Anti-bacterial Activity of an Octamolybdate Cluster-Based Hybrid Solid Incorporated with a Copper Picolinate Complex.. <b>2020</b> , 3, 4025-4035	3
387	Copper(II) l/d-valine-(1,10-phen) complexes target human telomeric G-quadruplex motifs and promote site-specific DNA cleavage and cellular cytotoxicity. <b>2020</b> , 49, 9888-9899	10
386	Novel copper(II) complexes with fenamates and isonicotinamide: structure and properties, and interactions with DNA and serum albumin. <b>2020</b> , 44, 12827-12842	9
385	Five new complexes with deferiprone and N,N-donor ligands: evaluation of cytotoxicity against breast cancer MCF-7 cell line and HSA-binding determination. <b>2021</b> , 39, 4845-4858	2
384	Nanocomplexation of proteins with curcumin: From interaction to nanoencapsulation (A review). <b>2020</b> , 109, 106106	17
383	Design, synthesis, biological evaluation and in silico studies of novel pyrrolo[3,4-d]pyridazinone derivatives with promising anti-inflammatory and antioxidant activity. <b>2020</b> , 102, 104035	12
382	Study on the antibacterial activities of emodin derivatives against clinical drug-resistant bacterial strains and their interaction with proteins. <b>2020</b> , 8, 92	8
381	Synthesis, DNA binding and antimicrobial studies on rhodium(III) complexes of dicyandiamide. <b>2020</b> , 39, 923-942	0
380	Binding interactions between pepsin and 3,3',4,4',5-pentachlorobiphenyl. <b>2020</b> , 53, 152-162	0
379	Spectroscopy and molecular docking approach for investigation on the binding of nocodazole to human serum albumin. <b>2020</b> , 235, 118289	19
378	Bioactive supra decorated thiazolidine-4-carboxylic acid derivatives attenuate cellular oxidative stress by enhancing catalase activity. <b>2020</b> , 22, 7942-7951	5
377	Toxicity assessment of Fluoranthene, Benz(a)anthracene and its mixed pollution in soil: Studies at the molecular and animal levels. <b>2020</b> , 202, 110864	14

376	Synthesis, characterization, theoretical, molecular docking and biological activity studies of Ru(II) (–cymene) complexes with novel aniline substituted aroyl selenoureas. <b>2021</b> , 39, 4346-4361	2
375	Mechanistic interaction of triflate based noscapine ionic liquid with BSA: Spectroscopic and chemoinformatics approaches. <b>2020</b> , 315, 113695	9
374	Synthesis, crystal structure, Hirshfeld surface analysis, DNA binding, DNA cleavage activity and molecular docking of a new Schiff base nickel(II) complex. <b>2021</b> , 39, 5224-5234	1
373	Parent and nano-encapsulated ytterbium(iii) complex toward binding with biological macromolecules, cytotoxicity, cleavage and antimicrobial activity studies.. <b>2020</b> , 10, 23002-23015	6
372	Synthesis of 2-aminobenzophenone-based Schiff base Pd(II) complexes: Investigation on crystal structure, biological behavior of DNA/protein-binding, molecular docking, and in vitro anticancer activities. <b>2020</b> , 34, e5856	1
371	Influence of tea polyphenol and bovine serum albumin on tea cream formation by multiple spectroscopy methods and molecular docking. <b>2020</b> , 333, 127432	16
370	Synthesis of a novel p-hydroxycinnamic amide and its interaction with bovine serum albumin. <b>2020</b> , 1210, 127959	5
369	Interaction of tebuconazole with bovine serum albumin: determination of the binding mechanism and binding site by spectroscopic methods. <b>2020</b> , 55, 509-516	2
368	DNA binding interactions, docking and antioxidative studies of ternary copper (II) complexes. <b>2020</b> , 1210, 127988	11
367	Insight into the in vitro anticancer screening, molecular docking and biological efficiency of pyridine-based transition metal(II) complexes. <b>2020</b> , 73, 103-119	6
366	Synthesis of naphthalimide-phenanthro[9,10-d]imidazole derivatives: In vitro evaluation, binding interaction with DNA and topoisomerase inhibition. <b>2020</b> , 96, 103631	14
365	Two groups of copper pyridine-triazole complexes with "open or close" pepper rings and their antitumor activities.. <b>2020</b> , 10, 6297-6305	2
364	The combination of salvianolic acid A with latamoxef completely protects mice against lethal pneumonia caused by methicillin-resistant. <b>2020</b> , 9, 169-179	12
363	Interaction of polypyridyl Cr(III) complexes with bovine serum albumin. <b>2020</b> , 49, 125-132	0
362	Synthesis, structural characterization, in vitro DNA binding, and antitumor activity properties of Ru(II) compounds containing 2(2,6-dimethoxypyridine-3-yl)-1H-imidazo(4,5-f)[1, 10]phenanthroline. <b>2020</b> , 39, 760-791	3
361	Mononuclear cobalt(II), nickel(II) and copper(II) complexes: Synthesis, spectral characterization and interaction study with nucleotide by in vitro biochemical analysis. <b>2020</b> , 1207, 127799	9
360	Privileged Scaffold Chalcone: Synthesis, Characterization and Its Mechanistic Interaction Studies with BSA Employing Spectroscopic and Chemoinformatics Approaches. <b>2020</b> , 5, 2267-2279	16
359	Protein binding studies with human serum albumin, molecular docking and in vitro cytotoxicity studies using HeLa cervical carcinoma cells of Cu(ii)/Zn(ii) complexes containing a carbohydrazone ligand. <b>2020</b> , 49, 2947-2965	17

358	Synthesis, Anticancer Evaluation and Synergistic Effects with cisplatin of Novel Palladium Complexes: DNA, BSA Interactions and Molecular Docking Study. <b>2020</b> , 16, 78-92	10
357	Cobalt ferrite nanoparticles for bimodal hyperthermia and their mechanistic interactions with lysozyme. <b>2020</b> , 310, 113194	10
356	Synthesis, cytotoxicity, pharmacokinetic profile, binding with DNA and BSA of new imidazo[1,2-a]pyrazine-benzo[d]imidazol-5-yl hybrids. <b>2020</b> , 10, 6534	7
355	Pyrazolate as bridging ligand in stabilization of self-assemble Cu(II) Schiff base complexes: Synthesis, structural investigations, DNA/protein (BSA) binding and growth inhibitory effects on the MCF7, CT-26, MDA-MB-231 cell lines. <b>2020</b> , 509, 119674	9
354	Spectroscopic and molecular docking studies reveal binding characteristics of nazartinib (EGF816) to human serum albumin. <b>2020</b> , 7, 191595	6
353	Molecular Functionality of Plant Proteins from Low- to High-Solid Systems with Ligand and Co-Solute. <b>2020</b> , 21,	5
352	Aroyl hydrazone with large Stokes shift as a fluorescent probe for detection of Cu <sup>2+</sup> in pure aqueous medium and in vivo studies. <b>2020</b> , 395, 112501	6
351	Acetylene bridged D-(FA) <sub>2</sub> type dyes containing benzophenone moieties: Photophysical properties, and the potential application as photoinitiators. <b>2021</b> , 184, 108583	14
350	Interaction of human serum albumin with diclofenac incorporated in catanionic vesicles. <b>2021</b> , 36, 736-742	4
349	The effect of putrescine on stability and structural properties of bovine serum albumin. <b>2021</b> , 39, 254-262	1
348	Interaction of bis(alkylamine)dichloropalladium(II) complexes with CT-DNA and BSA; their synthesis, characterization, antitumor, and antibacterial evaluations. <b>2021</b> , 39, 1354-1372	5
347	Synthesis and characterization of copper-based anticancer compound; interaction studies with DNA/HSA, SOD mimetic, cytotoxic activity and molecular docking investigation. <b>2021</b> , 39, 1431-1446	4
346	Synthesis of new morpholine containing 3-amido-9-ethylcarbazole derivative and studies on its biophysical interactions with calf thymus DNA/HSA. <b>2021</b> , 39, 1561-1571	4
345	Comparative studies on the binding interaction of two chiral Ru(II) polypyridyl complexes with triple- and double-helical forms of RNA. <b>2021</b> , 214, 111301	0
344	The role of chlorine atom on the binding between acrylonitrile derivatives and fat mass and obesity-associated protein. <b>2021</b> , 34, e2880	1
343	Effect of interaction between tea polyphenols with soymilk protein on inactivation of soybean trypsin inhibitor. <b>2021</b> , 111, 106177	16
342	New insights into the toxic interactions of polyvinyl chloride microplastics with bovine serum albumin. <b>2021</b> , 28, 5520-5531	0
341	Intercalative DNA binding, protein binding, antibacterial activities and cytotoxicity studies of a mononuclear copper(II) complex. <b>2021</b> , 514, 119961	10

- 340 New heteroleptic lanthanide complexes as multimodal drugs: Cytotoxicity studies, apoptosis, cell cycle analysis, DNA interactions, and protein binding. **2021**, 35, 1
- 339 Cu (II) and Co (II/III) complexes of N,O-chelated Schiff base ligands: DNA interaction, protein binding, cytotoxicity, cell death mechanism and reactive oxygen species generation studies. **2021**, 35, 1
- 338 NOO-type tridentate Schiff base ligand and its one-dimensional Cu(II) coordination polymer: Synthesis, crystal structure, biomacromolecular interactions and radical scavenging activities. **2021**, 514, 119994 2
- 337 Complicated effects of a zwitterionic polymer containing dimethyl chains on the structures, activities and stabilities of different enzymes. **2021**, 165, 107813 2
- 336 A novel water soluble axially substituted silicon(IV) phthalocyanine bearing quaternized 4-(4-pyridinyl)phenol groups: Synthesis, characterization, photophysicochemical properties and BSA/DNA binding behavior. **2021**, 194, 114937 6
- 335 Synthesis, characterization, DNA binding/cleavage, cytotoxic, apoptotic, and antibacterial activities of V(IV), Mo(VI), and Ru(II) complexes containing a bioactive ONS-donor chelating agent. **2021**, 35, e6082 4
- 334 Investigation on water soluble copper(II) mono-anionic glutamate complexes with planar aromatic ligands: synthesis, crystal structures, biomacromolecular interactions and radical scavenging activities. **2021**, 1225, 129099
- 333 Syntheses, structures, DNA-binding, cytotoxicity and apoptosis of manganese(II) and ferrous(II) complexes containing 4-sulfobenzoate anion with N,N-heterocyclic amines. **2021**, 1228, 129745 3
- 332 An exploration of the interaction mechanism of Direct Red 80 with  $\alpha$ -Amylase at the molecular level. **2021**, 34, e2883 1
- 331 Probing the interaction mechanism between Direct Red 80 and Human serum albumin: studies at the molecular level. **2021**, 245, 03060
- 330 Biophysical and theoretical investigation of benzo[c]coumarin functionalized Schiff base with human serum albumin. **2021**, 75, 2339-2351 2
- 329 Synthesis, crystal structures, anticancer activities and molecular docking studies of novel thiazolidinone Cu(II) and Fe(III) complexes targeting lysosomes: special emphasis on their binding to DNA/BSA. **2021**, 50, 13387-13398 3
- 328 Spectroscopic, anticancer and antioxidant studies of fluxional trans-[PdCl<sub>2</sub>(S-acylthiourea)<sub>2</sub>] complexes. **2021**, 3, 100157 6
- 327 The interaction between lipocalin 2 and dipyridine ketone hydrazone dithiocarbamate may influence respective function in proliferation and metastasis-related gene expressions in HepG2 cell. **2021**, 26, 123-133
- 326 Organometallic ruthenium ( $\eta^5$ -p-cymene) complexes interfering with quorum sensing and biofilm formation: an anti-infective approach to combat multidrug-resistance in bacteria. **2021**, 45, 2184-2199 1
- 325 Synthesis, characterization, crystal structure, DNA and human serum albumin interactions, as well as antiproliferative activity of a Cu(II) complex containing a Schiff base ligand formed in situ from the Cu(II)-induced cyclization of 1,5-bis(salicylidene)thiocarbonylhydrazide. **2021**, 35, e6152 4
- 324 Illuminating amyloid fibrils: Fluorescence-based single-molecule approaches. **2021**, 19, 4711-4724 1
- 323 The noncovalent conjugations of human serum albumin (HSA) with MS/AK and the effect on anti-oxidant capacity as well as anti-glycation activity of Monascus yellow pigments. **2021**, 12, 3692-3704 2

- 322 Copper(II) complexes of 2-methyl-8-hydroxyquinoline and tri/diimine co-ligand: DFT calculations, DNA and BSA binding, DNA cleavage, cytotoxicity and induction of apoptosis. **2021**, 45, 7578-7593 0
- 321 An electrostatic repulsion strategy for a highly selective and sensitive "switch-on" fluorescence sensor of ascorbic acid based on the cysteamine-coated CdTe quantum dots and cerium(IV). **2021**, 45, 6301-6307 2
- 320 Synthesis, characterization and anticancer activity of Fe(II) and Fe(III) complexes containing N-(8-quinolyl)salicylalimine Schiff base ligands. **2021**, 26, 327-339 5
- 319 Exploring the Interactions Between Caffeic Acid and Human Serum Albumin Using Spectroscopic and Molecular Docking Techniques. **2021**, 69-77 12
- 318 Osmoprotectant Coated Thermostable Gold Nanoparticles Efficiently Restrict Temperature-Induced Amyloid Aggregation of Insulin. **2021**, 12, 1803-1813 3
- 317 Synthesis of Triphenylethylene-Naphthalimide Conjugates as topoisomerase-II inhibitor and HSA binder. **2021**, 16, 1821-1831 1
- 316 Spectroscopic and molecular docking investigation of the binding of a bioactive mercaptobenzimidazole-functionalized Schiff base to human serum albumin. **2021**, 75, 3535-3550 2
- 315 Facile and environmentally friendly one-step synthesis of hexanuclear Cu(II)<sub>4</sub>Ni(II) and Cu(II)<sub>5</sub>Co(II) clusters and their binding interactions with bovine serum albumin. **2021**, 295, 121904
- 314 Syntheses, structures, and bioactivities evaluation of three transition metal complexes with 1,2,4-triazole carboxylic derivative. **2021**, 74, 1522-1533
- 313 Four triorganotin(IV) esters based on 3,5-bifluorobenzenetelluronic acid: Syntheses, structures, in vitro cytostatic activity and BSA-binding assessment. **2021**, 125, 108404 1
- 312 Cu(II) complex with auxin (3-indoleacetic acid) and an aromatic planar ligand: synthesis, crystal structure, biomolecular interactions and radical scavenging activity. **2021**, 50, 771-785 2
- 311 Elucidation of DNA binding interaction of new Cu(II)/Zn(II) complexes derived from Schiff base and L-tryptophan amino acid: a multispectroscopic and molecular docking approach. **2021**, 28, 44039-44050 1
- 310 Molecular binding interaction of pyridinium based gemini surfactants with bovine serum albumin: Insights from physicochemical, multispectroscopic, and computational analysis. **2021**, 250, 119350 4
- 309 A bolt-like-blocking nanovalve on mesoporous silica nanoparticles for controlled release. **2021**, 317, 111007 3
- 308 Synthesis, Characterization, DNA Binding, Cleavage, Antibacterial, In vitro Anticancer and Molecular Docking Studies of Ni(II), Cu(II) and Zn(II) Complexes of 3,4,5-Trimethoxy-N-(3-Hydroxy-5-(Hydroxymethyl)-2-Methylpyridin-4-yl)methylene)Benzohydrazide. 1 0
- 307 Elucidating the Interaction Mechanism of Folic Acid with Ovalbumin by Multispectroscopic and Molecular Simulation Methods. **2021**, 1, 660-668 2
- 306 Reversible and Broad-Range Oxygen Sensing Based on Purely Organic Long-Lived Photoemitters. **2021**, 3, 2480-2488 1
- 305 Allosterism and Drug Discovery. 1-78



- 304 Mechanistic insight into esterase-catalyzed hydrolysis of phthalate esters (PAEs) based on integrated multi-spectroscopic analyses and docking simulation. **2021**, 408, 124901 2
- 303 Biomacromolecular interactions and radical scavenging activities of one-dimensional (1D) copper(II) glycinate coordination polymer. **2021**, 18, 3017
- 302 Synthesis, DNA-Binding, Anticancer Evaluation, and Molecular Docking Studies of Bishomoleptic and Trisheteroleptic Ru-Diimine Complexes Bearing 2-(2-Pyridyl)-quinoxaline. **2021**, 2021, 5599773 1
- 301 Imidazole/4,4'-azopyridine bridging binuclear Ru(II) complexes: design, synthesis, bimolecular interactions and cytotoxicity against HeLa cell line. **2021**, 18, 3313
- 300 The growth, production and chemical compounds of *Chlorella* sp. in various concentrations of palm oil wastewater in laboratory culture media. **2021**, 749, 012004
- 299 The effect of sorbitol on the structure and activity of carboxypeptidase A: Insights from a spectroscopic and computational approach. **2021**, 330, 115710 6
- 298 How Does Glycation Affect Binding Parameters of the Albumin-Gliclazide System in the Presence of Drugs Commonly Used in Diabetes? In Vitro Spectroscopic Study. **2021**, 26, 0
- 297 Assessment of the Oral Delivery of a Myelin Basic Protein Gene Promoter with Antiapoptotic bcl-x (pMBP-bcl-x) DNA by Cyclic Peptide Nanotubes with Two Aspect Ratios and Its Biodistribution in the Brain and Spinal Cord. **2021**, 18, 2556-2573 1
- 296 Effect of Naphthol yellow S as a food dye on the lysozyme structure and its mechanisms of action. **2021**, 332, 115846 11
- 295 Synthesis, electrochemistry, DNA binding and in vitro cytotoxic activity of tripodal ferrocenyl bis-naphthalimide derivatives. **2021**, 219, 111425 1
- 294 Organoruthenium (II) complexes featuring pyrazole-linked thiosemicarbazone ligands: Synthesis, DNA/BSA interactions, molecular docking, and cytotoxicity studies. **2021**, 35, e6343 1
- 293 Long-lived Ag luminescence and a split DNA scaffold. **2021**, 154, 244302 2
- 292 Interaction of chloramphenicol with titin I27 probed using single-molecule force spectroscopy. **2021**, 47, 191-204 1
- 291 Fiber optic sensor designs and luminescence-based methods for the detection of oxygen and pH measurement. **2021**, 178, 109323 7
- 290 Substituent effects on the interactions of ruthenium(II) polypyridyl complexes [Ru(bpy)<sub>2</sub>(6-R-dppz)]<sup>2+</sup> (R = hydroxy and fluorine) with the RNA triplex poly(rU)•poly(rA)•poly(rU). **2021**, 202, 115196 3
- 289 Genesis of Neurotoxic Hybrid Nanofibers from the Coassembly of Aromatic Amino Acids. **2021**, 13, 36722-36736
- 288 Luminescent lanthanide(III) complexes of DTPA-bis(amido-phenyl-terpyridine) for bioimaging and phototherapeutic applications. **2021**, 256, 119709 1
- 287 Interaction mechanism between resveratrol and ovalbumin based on fluorescence spectroscopy and molecular dynamic simulation. **2021**, 146, 111455 7



286	Interaction between phloretin and insulin: a spectroscopic study. <b>2021</b> , 12,	3
285	Chiral ruthenium(II) complexes as stabilizers for an RNA triplex: In contrast to Enantiomer, Enantiomer stabilizes the Watson-Crick duplex and the Hoogsteen strand without significant preference. <b>2021</b> , 192, 109406	1
284	Insight into the effect of charge regulation on the binding mechanism of curcumin to myofibrillar protein. <b>2021</b> , 352, 129395	1
283	Synthesis, spectroscopic and biological activity evaluation of Ni(II), Cu(II) and Zn(II) complexes of schiff base derived from pyridoxal and 4-fluorobenzohydrazide. <b>2021</b> , 40, 845-866	0
282	Synthesis, characterization, antitumor potential, BSA and DNA binding properties, and molecular docking study of some novel 3-hydroxy-3-pyrrolin-2-ones. <b>2021</b> ,	1
281	Inhibitory mechanism of xanthine oxidase activity by caffeoylquinic acids in vitro. <b>2021</b> , 184, 843-856	1
280	Inhibitory effects of chondroitin sulfate on alpha-amylase activity: A potential hypoglycemic agent. <b>2021</b> , 184, 289-296	4
279	()-Epigallocatechin-3-Gallate Inhibits EBV Lytic Replication via Targeting LMP1-Mediated MAPK Signal Axes. <b>2021</b> , 28, 763-778	3
278	Synthesis and characterization of Pd(II) antitumor complex, DFT calculation and DNA/BSA binding insight through the combined experimental and theoretical aspects. <b>2021</b> , 1240, 130535	6
277	Interaction and esterase activity of albumin serums with orphenadrine: A spectroscopic and computational approach. <b>2021</b> , 1239, 130522	7
276	A study of protein aggregation activators in molecular complexes of cationic porphyrins and chlorin with BSA. <b>2021</b> , 338, 116632	0
275	Crystal structures and study of interaction mode of bis-benzimidazole-benzene derivatives with DNA. <b>2021</b> , 1249, 131582	2
274	Synthesis, characterization, X-ray structural analysis, DFT and BSA binding study of a Zn(II) complex, [Zn(II)Cl <sub>2</sub> (nia) <sub>2</sub> ].2nia. 1-23	0
273	Quercetin inhibiting the PD-1/PD-L1 interaction for immune-enhancing cancer chemopreventive agent. <b>2021</b> , 35, 6441-6451	2
272	Multiple spectra analysis and calculation of the interaction between Anthocyanins and whey protein isolate. <b>2021</b> , 44, 101353	0
271	Inhibition of porphyra polysaccharide on xanthine oxidase activity and its inhibition mechanism. <b>2022</b> , 266, 120446	0
270	Elucidation of Interaction between Whey Proteins and Proanthocyanidins and Its Protective Effects on Proanthocyanidins during In-Vitro Digestion and Storage. <b>2021</b> , 26,	1
269	Synthesis, characterization, antimicrobial and cytotoxic activity and DNA-binding properties of d-metal complexes with hydrazones of Girard's T and P reagents. <b>2021</b> , 26, 863-880	1

268	Antitumor activity, DNA and BSA interactions of novel copper(II) complexes with 3,4-dihydro-2(1H)-quinoxalinones. <b>2021</b> , 348, 109647	1
267	Dissociation of the DCF-Hb complex in presence of cationic micelles: A spectroscopic and computational approach. <b>2021</b> , 339, 116628	
266	Enhancement of biological activities of copper(II) complexes containing guanidine derivatives by enrofloxacin. <b>2021</b> , 1241, 130645	1
265	Insight into the role of extracellular polymeric substances in denitrifying biofilms under nitrobenzene exposure. <b>2021</b> , 222, 112539	4
264	Design and synthesis of polyacrylic acid/deoxycholic acid-modified chitosan copolymer and a close inspection of human growth hormone-copolymer interactions: An experimental and computational study. <b>2021</b> , 206, 111956	0
263	Synthesis and study of organoselenium compound: DNA/Protein interactions, in vitro antibacterial, antioxidant, anti-inflammatory activities and anticancer activity against carcinoma cells. <b>2021</b> , 1244, 130914	3
262	Synthesis, characterization, HSA/DNA binding, cytotoxicity study, and antimicrobial activity of new palladium(II) complexes with some esters of (S,S)-propylenediamine-N,N'-di-2-(3-methyl)butanoic acid. <b>2021</b> , 528, 120601	0
261	Molecular aspects of the interaction of acid phosphatase with TiO <sub>2</sub> nanoparticles: Kinetic and multispectroscopic studies. <b>2021</b> , 1245, 131268	1
260	In vitro anticancer and antibacterial activities of the yttrium(III) complex and its nano-carriers toward DNA cleavage and biological interactions with DNA and BSA; An experimental and computational study. <b>2021</b> , 68, 126821	2
259	The influence of Cadaverine on the structure, stability, and activity of acid phosphatase. <b>2022</b> , 1247, 131372	0
258	Critical issues encountered in the analysis of protein-phenolic binding interactions via fluorescence spectroscopy. <b>2022</b> , 124, 107219	3
257	Entrapment of curcumin in soy protein isolate using the pH-driven method: Nanoencapsulation and formation mechanism. <b>2022</b> , 153, 112480	5
256	Five organotin complexes derived from hydroxycinnamic acid ligands: Synthesis, structure, in vitro cytostatic activity and binding interaction with BSA. <b>2022</b> , 1247, 131290	1
255	Studies on the interactions of theaflavin-3,3'-digallate with bovine serum albumin: Multi-spectroscopic analysis and molecular docking. <b>2022</b> , 366, 130422	10
254	Palladium-mediated C=O bond activation of benzopyrone in 4-oxo-4H-chromone-3-carbaldehyde-4(N)-substituted thiosemicarbazone: synthesis, structure, nucleic acid/albumin interaction, DNA cleavage, antioxidant and cytotoxic studies.	4
253	Effect of Temperature and Additives on the Interaction of Ciprofloxacin Hydrochloride Drug with Polyvinylpyrrolidone and Bovine Serum Albumin: Spectroscopic and Molecular Docking Study. <b>2021</b> , 70, 397-407	2
252	Identification of tectoridin as the inhibitor of FTO by isothermal titration calorimetric and spectroscopic methods. <b>2021</b> , 45, 8993-9001	3
251	Structural and Biological Activity of Micro-Nanoparticles Produced from Highly Activated Carbonic Adsorbent.	

250	Comparison of the microenvironment of chicken and rabbit antibody active sites. <b>1977</b> , 88, 391-401	7
249	Nanosecond Pulse Fluorimetry of Proteins. <b>1983</b> , 59-115	1
248	The Use of Fluorescence Anisotropy Decay in the Study of Biological Macromolecules. <b>1983</b> , 117-162	5
247	Fluorescent Probes in Membrane Studies. <b>1975</b> , 97-188	6
246	The Use of Synchrotron Radiation in Fluorescence Studies on Biochemical Systems. <b>1979</b> , 183-201	1
245	Time-Resolved Fluorescence Studies on Flavins. <b>1989</b> , 319-341	2
244	A Preliminary Application of Phase/Modulation Fluorometry to the Tryptophan Problem. <b>1983</b> , 623-627	1
243	Quenching of Fluorescence. <b>1999</b> , 237-265	163
242	Basic principles of fluorescence and energy transfer. <b>2008</b> , 429, 3-19	5
241	Fluorescence Lifetime Imaging and Application to Ca <sup>2+</sup> Imaging. <b>1993</b> , 129-147	3
240	Interpretation of Calorimetric Data from Cooperative Systems. <b>1980</b> , 405-423	5
239	Regulation of the glycogen phosphorylase system--from physical measurements to biological speculations. <b>1976</b> , 10, 89-160	58
238	Ligand binding and multienzyme complex formation between ornithine carbamoyltransferase and arginase from <i>Saccharomyces cerevisiae</i> . <b>1988</b> , 29, 35-75	12
237	The Chemical Modification of Proteins by Group-Specific and Site-Specific Reagents. <b>1976</b> , 1-103	25
236	Molecular insight on the binding of monascin to bovine serum albumin (BSA) and its effect on antioxidant characteristics of monascin. <b>2020</b> , 315, 126228	12
235	Evaluation of parent and nano-encapsulated terbium(III) complex toward its photoluminescence properties, FS-DNA, BSA binding affinity, and biological applications. <b>2020</b> , 61, 126564	11
234	Inhibition of pancreatic $\alpha$ -amylase by <i>Lonicera caerulea</i> berry polyphenols in vitro and their potential as hyperglycemic agents. <b>2020</b> , 126, 109288	12
233	Insights from multispectral and molecular docking investigation on the xanthine oxidase inhibition by 1,4-dicaffeoylquinic acid. <b>2020</b> , 1219, 128475	2

232	Proteolytic inactivation of the luciferase from the luminous marine bacterium <i>Beneckea harveyi</i> . <b>1978</b> , 253, 5551-5554	22
231	Nanosecond relaxation in membranes observed by fluorescence lifetime-resolved emission spectra.. <b>1979</b> , 254, 1771-1774	4
230	Solvent perturbation of the fluorescence of fluorescein bound to specific antibody. Fluorescence quenching of the bound fluorophore by iodide.. <b>1979</b> , 254, 1684-1690	44
229	Effect of hydrostatic pressure on ligand binding to hemoglobin.. <b>1977</b> , 252, 4102-4107	12
228	The apparent quantum yield of T-state human hemoglobin. Contribution of protein and heme to rates of oxygen reactions.. <b>1984</b> , 259, 365-371	14
227	Oxygen quenching and fluorescence depolarization of tyrosine residues in proteins.. <b>1983</b> , 258, 4794-4801	44
226	Oxygen quenching of sensitized terbium luminescence in complexes of terbium with small organic ligands and proteins.. <b>1983</b> , 258, 4075-4078	32
225	Diffusion coefficients of quenchers in proteins from transient effects in the intensity decays.. <b>1987</b> , 262, 10907-10910	42
224	Tryptophan fluorescence lifetimes in lysozyme.. <b>1975</b> , 250, 3738-3745	83
223	The role of diffusion in limiting the rate of ligand binding to hemoglobin.. <b>1980</b> , 255, 8050-8053	45
222	Ligand binding-promoted conformational changes in yeast ornithine transcarbamoylase.. <b>1986</b> , 261, 6192-6200	15
221	Rates of isonitrile binding to the isolated alpha and beta subunits of human hemoglobin.. <b>1980</b> , 255, 4151-4158	35
220	Oroxylin A inhibits hemolysis via hindering the self-assembly of hemolysin heptameric transmembrane pore. <b>2013</b> , 9, e1002869	59
219	Interaction of the anticancer plant alkaloid sanguinarine with bovine serum albumin. <b>2011</b> , 6, e18333	75
218	A Spectroscopic Approach to Investigate the Molecular Interactions between the Newly Approved Irreversible ErbB blocker "Afatinib" and Bovine Serum Albumin. <b>2016</b> , 11, e0146297	28
217	Metallophthalocyanines photosensitize the breakdown of (hydro)peroxides in solution to yield hydroxyl or alkoxyl and peroxy free radicals via different interaction pathways. <b>2003</b> , 77, 469-79	10
216	Flexibility in proteins: tuning the sensitivity to O <sub>2</sub> diffusion by varying the lifetime of a phosphorescent sensor in horseradish peroxidase. <b>2004</b> , 80, 36-40	5
215	A Study of the Mechanism of Binding between Neratinib and MAD2L1 Based on Molecular Simulation and Multi-spectroscopy Methods. <b>2019</b> , 25, 4287-4295	0

214	Spectroscopic and In Silico DNA Binding Studies on the Interaction of Some New N-Substituted Rhodanines with Calf-thymus DNA: In Vitro Anticancer Activities. <b>2019</b> , 19, 425-433	7
213	Interaction of the Fungicide Tebuconazole with Human Serum Albumin: A Preliminary Study. <b>2018</b> , 62, 85-91	3
212	Antiproliferative properties of iron supramolecular cylinders. 2, 4	5
211	Myricetin, the Main Flavonoid in Leaf, Is a Novel Inhibitor of Platelet Thiol Isomerases PDI and ERp5. <b>2019</b> , 10, 1678	18
210	Fluorescence Spectroscopy and Molecular Docking Approach to Probe the Interaction between Dehydroeburicoic Acid and Human Serum Albumin. <b>2019</b> , 09, 21-37	4
209	Studies on the Binding Mechanism of VB<sub>1</sub> and VB<sub>9</sub> with Trypsin. <b>2013</b> , 04, 771-775	3
208	Interaction of ct-DNA with 2,4-Dihydroxy Salophen. <b>2009</b> , 30, 1973-1977	8
207	DNA-Binding and Thermodynamic Parameters, Structure and Cytotoxicity of Newly Designed Platinum(II) and Palladium(II) Anti-Tumor Complexes. <b>2011</b> , 32, 947-955	9
206	Synthesis and Structural Studies of an Organic Complex and its Association with BSA. <b>2011</b> , 32, 2253-2259	1
205	Structural, Electrochemical, DNA Binding and Cleavage Properties of Nickel(II) Complex [Ni(H <sub>2</sub> biim) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>2</sub> of 2,2'-Biimidazole. <b>2013</b> , 34, 3695-3702	4
204	Synthesis, spectral characterization, antimicrobial, DNA binding and antioxidant studies of Co(II), Ni(II), Cu(II) and Zn(II) metal complexes of novel thiosalen analog N2S2. <b>2015</b> , 6, 189-198	1
203	A Comparative Analysis of Punicalagin Interaction with PDIA1 and PDIA3 by Biochemical and Computational Approaches. <b>2021</b> , 9,	1
202	Screening and Discrimination of Perfluoroalkyl Substances in Aqueous Solution Using a Luminescent Metal-Organic Framework Sensor Array. <b>2021</b> , 13, 47706-47716	0
201	A novel Au(III) complex with the 5,5'-dimethyl-2,2'-bipyridine ligand: Synthesis, characterization, X-ray crystal structure and biological evaluation. <b>2021</b> , 210, 115513	
200	Effect of new Pd(II)-aroylthiourea complex on pancreatic cancer cells. <b>2021</b> , 134, 109018	2
199	Nonlinear Optical Spectroscopy. <b>2001</b> , 489-581	
198	Study of Interaction of Native DNA with Iron(III)-(2,4-Dihydroxysalophen)chloride. <b>2010</b> , 54, 573-578	
197	Physicochemical Peculiarities of Iodine-Dimethylsulfoxide-H <sub>2</sub> O Solutions and Effect on Ion Binding to Bovine Serum Albumin. <b>2013</b> , 2013, 1-5	

- 196 The Oxygenation of Hemoglobin. **1978**, 153-203 1
- 195 Rate Dependence of Ligand Binding on the Microdynamics of Amino Acid Residues. **1979**, 443-450
- 194 Tentative Evaluation of the Microdynamics of Tryptophan Residues in Proteins Through Fluorimetric Measurements. **1979**, 451-461
- 193 CONFORMATIONAL ADJUSTMENT TO SUBSTRATE BINDING IN CRYSTALS OF TRICLINIC LYSOZYME. **1981**, 201-204
- 192 Protein Folding - Pages 522-556. **1982**, 522-556
- 191 Protein Fluctuations and Hemeprotein Affinity for Ligand. **1986**, 153-160
- 190 Einige Anwendungen. **1999**, 137-168
- 189 Luminescence Properties of Anthracene Chromophores in Cyclosiloxane-Based Hybrid Polymer Films. **2015**, 4, 16-18
- 188 Energy, Charge and Electron Transfer Processes in Chemistry. **2016**,
- 187 Spectroscopic Studies on the Interaction between Tilorone and Human Serum Albumin. **2017**, 5, 48-59 1
- 186 Spectral Properties of the Interaction Between Hesperidin of Tangerine Peel Active Ingredient with Protein. **2018**, 14, 1060-1065
- 185 Effect of negative functionalisation of gold nanorods on conformation and activity of human serum albumin. **2019**, 13, 522-529
- 184 Spectroscopic and molecular docking elucidation to binding characteristics of bovine serum albumin with bupropion an aminoketone-medication for nicotine addiction. **2019**, 10, 146-155
- 183 Characterization of conformational transition of polymers with low molecular weights in solutions by fluorescence resonance energy transfer. **2020**, 190, 122217 1
- 182 Altered substrate metabolism in neurodegenerative disease: new insights from metabolic imaging. **2021**, 18, 248 3
- 181 Spectroscopic studies of the interaction between phosphorus heterocycles and cytochrome P450.. **2021**, 11, 757-763 0
- 180 Novel P,C-orthopalladated complexes containing histidine and phenylalanine amino acids: synthesis, DNA and BSA interactions, antitumoral activity and molecular docking approach. **2020**, 1-16 1
- 179 Aggregation of protein complexes with porphyrins under light irradiation. **2021**, 25, 145-152 1

178	Synthesis and Characterization of Ru(II) Polypyridyl Complexes with 2-(4-Methylbenzoate)-1H-imidazo[4,5-f][1,10]phenantroline Ligand, and Their DNA Binding, Photocleavage, Physico-Chemical Properties, and Cytotoxicity. <b>2020</b> , 90, 2456-2466	0
177	Yb/Chitosan Catalyzed Synthesis of Highly Substituted Piperidine Derivatives for Potential Nuclease Activity and DNA Binding Study. <b>2021</b> , 27, 2252-2263	1
176	Study of the binding interaction between bovine serum albumin and carbofuran insecticide: Multispectroscopic and molecular docking techniques. <b>2022</b> , 1249, 131597	1
175	Spectroscopic Studies on the Interaction Between Novel Antiviral Drug Favipiravir and Serum Albumins. <b>2020</b> , 8, 93-103	2
174	Experimental and in silico studies of competitive inhibition of family GH10 <i>Aspergillus fumigatus</i> xylanase A by <i>Oryza sativa</i> xylanase inhibitor protein. <b>2021</b> ,	1
173	Luminescence Quenching of Ru(II)-Diimine Complexes with Cr(VI) Ions: Steady-State and Time-Resolved Studies. <b>2021</b> , 113635	2
172	The interaction of xylitol with Carboxypeptidase A: the influence of xylitol on enzyme structure and activity. <b>2021</b> , 1250, 131877	0
171	Deciphering the mechanism of hafnium oxide nanoparticles perturbation in the bio-physiological microenvironment of catalase. <b>2020</b> , 1, 030006	2
170	Molecular aspect on the interaction of zinc-ofloxacin complex with deoxyribonucleic acid, proposed model for binding and cytotoxicity evaluation. <b>2014</b> , 9, 367-83	11
169	Evaluation of Pharmacological Activity of Heterobimetallic Coordination Compounds Containing -Bis (2-hydroxyethyl)-Ethylenediamine on HT29, HeLa, C6 and Vero cells. <b>2019</b> , 18, 2011-2027	
168	The interaction of allicin with bovine serum albumin and its influence on the structure of protein. <b>2022</b> , 112, 139-144	1
167	Interaction between organic matter and tetracycline in river sediments in cold regions. <b>2021</b> , 1	0
166	Glutamine conjugated organotin(IV) Schiff base compounds: Synthesis, structure, and anticancer properties. <b>2022</b> , 36, e6521	2
165	Heparin interacts with the main protease of SARS-CoV-2 and inhibits its activity. <b>2021</b> , 120595	4
164	Factorial design-assisted spectroscopic determination of oxybutynin hydrochloride. <b>2021</b> , 8, 211027	
163	Deciphering the sensing of ßmyrin acetate with hs-DNA: a multipronged biological probe.. <b>2022</b> , 12, 1238-1243	2
162	Synthesis, Characterization, Crystal Structure, DNA and HSA Interactions, and Anticancer Activity of a Mononuclear Cu(II) Complex with a Schiff Base Ligand Containing a Thiadiazoline Moiety.. <b>2022</b> , 7, 2881-2896 <sup>3</sup>	
161	A highly sensitive dual-readout assay for perfluorinated compounds based CdTe quantum dots.. <b>2021</b> , 269, 120753	0



- <sup>160</sup> Spectroanalytical, computational, DNA/BSA binding and in vitro cytotoxic activity studies of new transition metal complexes of novel aryl hydrazone. **2022**, 1252, 132126
- <sup>159</sup> In vitro biological activity of copper(II) complexes with NSAIDs and nicotinamide: Characterization, DNA- and BSA-interaction study and anticancer activity.. **2021**, 228, 111696 1
- <sup>158</sup> Synthesis, structural characterization and in vitro cytotoxic evaluation of mixed Cu(II)/Co(II) levofloxacinBipyridyl complexes. **2022**, 532, 120757 1
- <sup>157</sup> Structural analysis and calf thymus DNA/HSA binding properties of new carbazole derivative containing piperazine. **2022**, 426, 113720 1
- <sup>156</sup> Spectroscopic and computational investigation of the interaction between the new anticancer agent enasidenib and human serum albumin.. **2021**, 270, 120790
- <sup>155</sup> Copper(II) Compounds of 4-Nitrobenzoic Hydrazide with Different Anions (ClO<sub>4</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup> and Br<sup>-</sup>): Synthesis, Characterization, DFT calculations, DNA Interactions and Cytotoxic Properties.. **2022**,
- <sup>154</sup> Cytotoxic Ruthenium(II) Complexes Containing a Dangling Pyridine: Selectivity for Diseased Cells Mediated by pH-Dependent DNA Binding.. **2022**, 0
- <sup>153</sup> A near-infrared optical nanosensor for measuring aerobic respiration in microbial systems. **2021**, 1
- <sup>152</sup> An update of label-free protein target identification methods for natural active products.. **2022**, 12, 1829-18541
- <sup>151</sup> Drug molecules bridge with small gatekeeper to co-block mesoporous silica nanoparticles for drug delivery.. **2022**, 213, 112350 1
- <sup>150</sup> Intermolecular Interactions of Saxagliptin and Vildagliptin with Human Serum Albumin. **2022**, 88, 1266-1275 1
- <sup>149</sup> Anti-βGlucosidase and Antiglycation Activities of βMangostin and New Xanthenone Derivatives: Enzymatic Kinetics and Mechanistic Insights through In Vitro Studies.. **2022**, 27, 0
- <sup>148</sup> Newly synthesized palladium(II) complexes with aminothiazole derivatives: study of antimicrobial activity and antitumor activity on the human prostate cancer cell line.. **2021**, 1
- <sup>147</sup> The interaction mechanism between gold nanoparticles and proteins: Lysozyme, trypsin, pepsin, βglobulin, and hemoglobin.. **2022**, 272, 120983 1
- <sup>146</sup> A couple of antitumor Pd(II) complexes make DNA-refolding and HSA-unfolding: Experimental and docking studies. **2022**, 349, 118450 1
- <sup>145</sup> Mixed Ni(II) and Co(II) complexes of nalidixic acid drug: Synthesis, characterization, DNA/BSA binding profile and in vitro cytotoxic evaluation against MDA-MB-231 and HepG2 cancer cell lines.. **2022**, 271, 120910 0
- <sup>144</sup> Sensitivity of family GH11 Bacillus amyloliquefaciens xylanase A (BaxA) and the T33I mutant to Oryza sativa xylanase inhibitor protein (OsXIP): An experimental and computational study.. **2022**, 156, 109998 0
- <sup>143</sup> Dual aggregation in ground state and ground-excited state induced by high concentrations contributes to chlorophyll stability.. **2022**, 383, 132447 0

- <sup>142</sup> Elucidating the Binding and Inhibitory Potential of P-Coumaric Acid Against Amyloid Fibrillation and Their Cytotoxicity: Biophysical and Docking Analysis.
- <sup>141</sup> Synthesis, characterization and biological activities of complexes CoII, NiII and CuII prepared using mixture of 2-hydroxy-1-naphthaldehyde and N, N'-dimethyl-1, 3-propanediamine. **2022**, 53, 374-385
- <sup>140</sup> Mononuclear Co(II) polypyridyl complexes: synthesis, molecular structure, DNA binding/cleavage, radical scavenging, docking studies and anticancer activities.. **2022**, 1
- <sup>139</sup> A fluorescence strategy for direct quantification of arm components in mikto-arm star copolymers. **2022**, 13, 2026-2035
- <sup>138</sup> Complexes of Copper(II) with Tetradentate S,O-Ligands: Synthesis, Characterization, Dna/Albumin Interactions, Molecular Docking Simulations and Antitumor Activity.
- <sup>137</sup> Investigation on the interaction between myricetin and dihydromyricetin with trypsin, Chymotrypsin, lysozyme by spectroscopy and molecular docking methods.. **2022**,
- <sup>136</sup> Structure and biological activity of particles produced from highly activated carbon adsorbent. **2022**, 8, e09163
- <sup>135</sup> Antioxidant and Antimicrobial Potential, BSA and DNA Binding Properties of Some 3-Hydroxy-3-Pyrrolin-2-Ones Bearing Thenoyl Fragment.. **2022**,
- <sup>134</sup> New cobalt(III) complex with triethylenetetramine and 2,2'-bipyridine: synthesis, crystal structure, DNA interaction, hirshfeld surface, DFT analysis, and cytotoxicity. 1-12
- <sup>133</sup> Copper(II) complexes as novel anticancer drug: Synthesis, spectral studies, crystal structures, in silico molecular docking and cytotoxicity. **2022**, 1258, 132672 3
- <sup>132</sup> Phycocyanin - carbon dots nanoprobe for the ratiometric fluorescence determination of peroxynitrite.. **2022**, 275, 121177 0
- <sup>131</sup> Interactions between the protein-epigallocatechin gallate complex and nanocrystalline cellulose: A systematic study.. **2022**, 387, 132791 1
- <sup>130</sup> Unravelling the Interaction of Piperlongumine with the Nucleotide-Binding Domain of HSP70: A Spectroscopic and In Silico Study.. **2021**, 14, 0
- <sup>129</sup> Probing the Role of Cu(II) Ions on Protein Aggregation Using Two Model Proteins.. **2021**, 6, 35559-35571 0
- <sup>128</sup> Tris-(2-pyridyl)-pyrazolyl Borate Zinc(II) Complexes: Synthesis, DNA/Protein Binding and In Vitro Cytotoxicity Studies. **2021**, 26, 3
- <sup>127</sup> Assessment of biological activity of the caffeine-derived Pt (II) and Pd (II) complexes. **2022**, 36,
- <sup>126</sup> Depicting the DNA Binding and Cytotoxicity Studies against Human Colorectal Cancer of Aquabis (1-Formyl-2-Naphtholato-k2O,O') Copper(II): A Biophysical and Molecular Docking Perspective. **2022**, 12, 15 1
- <sup>125</sup> Synthesis, characterization, cytotoxicity and DNA/BSA binding of two amino acid palladium(II) complexes derived from alanine and valine. **2021**, 1-26 0

- 124 Synthesis and Spectral Characterisation of (E)-3-(3-(4 (Dimethylamino)Phenyl)Acryloyl)-4-Hydroxy-2H-Chromen-2-One and Their Antibacterial Activity and Acetylcholinesterase Inhibition. **2021**, 2021, 1-15 ○
- 123 Ascorbic acid detector based on fluorescent molybdenum disulfide quantum dots. **2021**, 189, 19 ○
- 122 Investigation on photobleaching of fluorophores: Effect of excitation power and buffer system. **2022**, 43, 191-195 ○
- 121 Carbon Dioxide Sensing-Biomedical Applications to Human Subjects.. **2021**, 22, 1
- 120 Binding properties of [Ru(phen)(11-R-dppz)] (R' = F or CN) with poly(A)poly(U) duplex RNA.. **2022**, 232, 111833
- 119 Effect of substituents on the binding of Ru(II) polypyridyl complexes [Ru(bpy)2L]2+ (L = pnpip and mnpip) to poly(U-AU) triplex. **2022**, 202, 110317
- 118 DataSheet\_1.docx. **2020**,
- 117 Image\_1.tif. **2020**,
- 116 Image\_2.tiff. **2020**,
- 115 Image\_3.tif. **2020**,
- 114 Image\_4.jpeg. **2020**,
- 113 Image\_5.tif. **2020**,
- 112 Elucidating the binding and inhibitory potential of p-Coumaric acid against amyloid fibrillation and their cytotoxicity: Biophysical and docking analysis. **2022**, 106823 ○
- 111 Synthesis, characterization, DNA interactions and biological activity of new palladium(II) complexes with some derivatives of 2-aminothiazoles. **2022**, 111857 ○
- 110 Mechanism evaluation of the interactions between bisphenol AP and bovine serum albumin based on multi-spectroscopy, wavefunction analysis, and molecular docking. **2022**, 50, 100099 ○
- 109 Antibacterial mechanism of N-PMI and the characteristics of PMMA-co-N-PMI copolymer.. **2022**,
- 108 Complexes of copper(II) with tetradentate S,O-ligands: Synthesis, characterization, DNA/albumin interactions, molecular docking simulations and antitumor activity. **2022**, 111861 ○
- 107 The interactions between Reactive Black 5 and human serum albumin: combined spectroscopic and molecular dynamics simulation approaches.. **2022**, ○

- 106 Mononuclear cobalt(II) complexes with polypyridyl ligands: Synthesis, characterization, DNA interactions and in vitro cytotoxicity towards human cancer cells. **2022**, 111866 0
- 105 A novel target and biomarker benzothiazolyl-naphthalimide probes for precisely and selective detection of serum albumin and anticancer activity.
- 104 Biochemistry and detection of S-nitrosothiols. **2022**, 153-176
- 103 Can One Novel Lanthanide Complex and Its Nano-Encapsulated Compounds Afford Advances in Biological Inorganic Chemistry? A Biological Applications Study for Dysprosium (III) Complex and Its Nano-Encapsulated Compounds. 1-31
- 102 Pd (II)-PPH 3 complexes of halogen substituted acylthiourea ligands: Biomolecular interactions and in vitro anti-proliferative activity. 0
- 101 Differential aggregation of polystyrene and titanium dioxide nanoparticles under various salinity conditions and against multiple proteins types.
- 100 Characterization of [Ru(bpy)<sub>2</sub>(diamine)]<sup>2+</sup> Complexes and their DNA Binding and Cleavage, BSA Interaction, Cytotoxic, and Anticancer Mechanistic Properties. **2022**, 115925
- 99 The Critical Role of 12-Methyl Group of Anthracycline Dutomycin to Its Antiproliferative Activity. **2022**, 27, 3348
- 98 Synthesis, crystal structure elucidation and DNA/HSA binding profile of Ni(II) complex of Schiff base derived from 3-thoxy salicylaldehyde and o-phenylenediamine. **2022**, 1265, 133351 0
- 97 Mixed-ligand copper(ii) complexes of guanidine derivatives containing ciprofloxacin: synthesis, characterization, DFT calculations, DNA interactions and biological activities.
- 96 A Fluorescence and Molecular Docking Study on the Interaction of 4'-Hydroxychalcone with Bovine Serum Albumin and Human Serum Albumin. **2022**, 34, 1711-1722 0
- 95 Interaction of organoruthenium(II)-polypyridyl complexes with DNA and BSA.
- 94 Scrutinizing the interaction of bovine serum albumin and human hemoglobin with isatin-triazole functionalized rhodamine through spectroscopic and In-silico approaches. **2022**, 360, 119558 0
- 93 Amiloride-modulated phosphorescence turn-off/on method for the detection of abasic site-containing dsRNA based on uridine triphosphate-capped Mn-doped ZnS quantum dots. **2022**, 15, 104050
- 92 Crystal structure, fluorescence properties and biological activity of three  $\mu_2$ -O bridged Ln<sub>2</sub> (Ln = Sm, Eu and Tb) compounds. **2022**, 121092 1
- 91 Exploring the molecular interaction of mebendazole with bovine serum albumin using multi-spectroscopic approaches and molecular docking. **2022**, 12, 1
- 90 Bioengineered lipophilic Ru(III) complexes as potential anticancer agents. **2022**, 139, 213016 2
- 89 The complexation between transition metals and water-soluble organic compounds (WSOC) and its effect on reactive oxygen species (ROS) formation. **2022**, 287, 119247 0

- 88 Significance of native PLGA nanoparticles in the treatment of Alzheimer's disease pathology. **2022**, 17, 506-525 1
- 87 Synthesis of Cu(II)-Caffeine Complex as Potential Therapeutic Agent: Studies on Antioxidant, Anticancer and Pharmacological Activities. **2022**, 119897
- 86 Characterization of the interactions of human serum albumin with carmine and amaranth using multi-spectroscopic techniques and molecular docking.
- 85 Exploring the binding mechanism and adverse toxic effects of chiral phenothrin to human serum albumin: based on multi-spectroscopy, biochemical and computational approach. **2022**, 121659
- 84 Design and synthesis of novel heterocyclic pivalamide ligands and their copper(II) complexes: Structure, BSA/DNA interactions and SOD synzyme activity. **2022**, 225, 116054
- 83 Changes on the conformational and functional properties of soybean protein isolate induced by quercetin. 9,
- 82 A Study on Repositioning Nalidixic Acid via Lanthanide Complexation: Synthesis, Characterization, Cytotoxicity and DNA/Protein Binding Studies. **2022**, 15, 1010 1
- 81 A Novel Fluorescent Probe for the Detection of Cyanide Ions in Solutions and Studies on Its Biophysical Interactions with ctDNA and Proteases.
- 80 Oxidation Mechanism of 1-methyl-tryptophan and Tryptophan on Glassy Carbon Electrode: a Comparative Study. o
- 79 Spectroscopic Investigation on the Interaction of Direct Yellow-27 with Protein (BSA). o
- 78 Insight into achirality and chirality effects in interactions of an racemic ruthenium(II) polypyridyl complex and its  $\Delta$  and  $\Lambda$  enantiomers with an RNA triplex. **2022**, 219, 579-586
- 77 Binding and stabilization effect of arene ruthenium(II) polypyridyl complexes toward the triple-helical RNA poly(U) $\cdot$ poly(A) $\cdot$ poly(U). **2022**, 542, 121140
- 76 Unraveling the binding interaction between polyvinyl chloride microplastics and bovine hemoglobin: Multi-spectroscopic studies. **2022**, 1269, 133865 o
- 75 Examination of antitumor potential of some acylpyruvates, interaction with DNA and binding properties with transport protein. **2022**, 1270, 133943 o
- 74 RNA-binding of Ru(II) complexes [Ru(phen) $_2$ (7-OCH $_3$ -dppz)] $^{2+}$  and [Ru(phen) $_2$ (7-NO $_2$ -dppz)] $^{2+}$ : The former serves as a molecular light switch for poly(A) $\cdot$ poly(U). **2022**, 237, 111991 o
- 73 Molecular docking and biophysical studies on the interaction between thiram and human hemoglobin. **2023**, 1272, 134188 o
- 72 Effects of different fatty acid ligands on the host-guest interaction of astaxanthin-bovine serum albumin: Thermodynamical analysis, binding site identification, and in vivo antioxidant evaluation. **2023**, 134, 108112 o
- 71 Tryptophan Self-assembly Yields Cytotoxic Nanofibers Containing Amyloid-Mimicking and Cross-Seeding Competent Conformers. o

- 70 Anticancer Potential of Copper(I) Acylthiourea Complexes with Triphenylphosphine Against Breast Cancer Cells Via Apoptosis - Biomolecular Interactions and Docking with SARS-CoV-2. ○
- 69 How to switch from a poor PEDOT:X oxygen evolution reaction (OER) to a good one. A study on dual redox reversible PEDOT:metallacarborane. **2022**, 10, 16182-16192 ○
- 68 Mechanism of high photoluminescence quantum yield of melem. **2022**, 24, 23602-23611 ○
- 67 Spectroscopic analysis of everolimus and human serum albumin interaction. **2022**, ○
- 66 Investigation of the binding behavior of bioactive 7-methoxyflavone to human serum albumin by coupling multi-spectroscopic with computational approaches. **2023**, 285, 121920 ○
- 65 Synthesis, structure, and biological properties of Cu(II) complexes based on diimine ligands. **2023**, 1272, 134229 ○
- 64 Structure-elucidation of a bimetallic Hydroxo bridged Cu (II)-flufenamate-bpy complex and cytotoxic evaluation against MDAMB231 and A549 carcinoma cell lines. ○
- 63 Explore the Interaction between Ellagic Acid and Zein Using Multi-Spectroscopy Analysis and Molecular Docking. **2022**, 11, 2764 1
- 62 Equilibrium, DNA binding, docking, and antimicrobial studies of Ni(II) and Cu(II) chelates with 1-(4?-nitrobenzoyl)-3-thiosemicarbazide. ○
- 61 New ruthenium complexes containing salicylic acid and derivatives induce triple-negative tumor cell death via the intrinsic apoptotic pathway. **2022**, 243, 114772 ○
- 60 In vitro anticancer activities, multi-spectroscopic and in silico DNA binding studies of propranolol drug and its new Zn(II) complex. **2022**, 4, 100575 ○
- 59 Photophysical and Fluorescence Nitroaromatic Sensing Properties of Methylated Derivative of a Pamoic Acid Ester. ○
- 58 The influence of several nutritional supplements on the rational use of cabozantinib. ○
- 57 The hydrophobic interaction for ellagic acid binding to soybean protein isolate: Multi-spectroscopy and molecular docking analysis. **2022**, 170, 114110 ○
- 56 Characterization of dissolved black carbon and its binding behaviors to ceftazidime and diclofenac pharmaceuticals: Employing the molecular weight fractionation. **2022**, 315, 120449 ○
- 55 Multispectroscopy analysis of polystyrene nanoplastic interaction with diastase  $\alpha$ -amylase. **2022**, 247, 114226 ○
- 54 Crystal structure, in vitro cytotoxicity, DNA binding and DFT calculations of new copper (II) complexes with coumarin-amide ligand. **2023**, 238, 112030 ○
- 53 Discovery and mechanism of action of Thonzonium bromide from an FDA-approved drug library with potent and broad-spectrum inhibitory activity against main proteases of human coronaviruses. **2023**, 130, 106264 ○

- 52 Synthesis, structural characterization and in vitro cytotoxicity assessment of new mononuclear Cu(II) and Co(II) complexes against MDA-MB-231, HCC-T806 and HT-29 cancer cell lines. **2023**, 229, 116189 0
- 51 Insights into the binding interaction of Reactive Yellow 145 with human serum albumin from a biophysics point of view. **2022**, 120800 0
- 50 In-silico and in-detail experimental interaction studies of new antitumor Zn(II) complex with CT-DNA and serum albumin. 1-18 0
- 49 Biophysical investigation of the interaction between NSAID ibuprofen and cationic biodegradable Cm-E2O2-Cm gemini surfactants. **2023**, 370, 120972 1
- 48 Designing three digital logic circuits based on two-component molecular systems of a combination of BSA and N, N'-bis(salicylidene) - ethylenediamine. **2023**, 811, 140238 0
- 47 Turn-on fluorescent capsule for selective fluoride detection and water purification. 0
- 46 Synthesis, cytotoxicity and DNA binding of novel Ni(II), Co(II) and Zn(II) complexes bearing pyrimidinyl hydrazone ligand. **2023**, 1276, 134724 1
- 45 Mechanistic insights into monomer level prevention of amyloid aggregation of lysozyme by glycyrrhizic acid. **2023**, 227, 884-895 0
- 44 Spectroscopic studies on binding of ibuprofen and drotaverine with bovine serum albumin. **2023**, 438, 114512 1
- 43 Exploring heterometallic bridged Pt(II)-Zn(II) complexes as potential antitumor agents. **2023**, 240, 112100 1
- 42 Optical Spectroscopy for on Line Water Monitoring. **2022**, 165-188 0
- 41 Anticancer potential of some  $\beta$ -diketonates: DNA interactions, protein binding properties, and molecular docking study. 1-7 0
- 40 Molecular spectroscopic and docking analysis of the interaction of fluorescent thiadicarbocyanine dye with biomolecule bovine serum albumin. 1-11 0
- 39 Slow dynamics measured by phosphorescence lifetime reveals global conformational changes in human adult hemoglobin induced by allosteric effectors. **2022**, 17, e0278417 0
- 38 Fluorescence Quenching of Humic Substances and Natural Organic Matter by Nitroxide Free Radicals. 0
- 37 Capture-SELEX: Selection Strategy, Aptamer Identification, and Biosensing Application. **2022**, 12, 1142 1
- 36 Decoding the binding interaction of steroidal pyridines with bovine serum albumin using spectroscopic and molecular docking techniques. **2022**, 109156 0
- 35 Spectroscopic and molecular docking studies of the interactions of sunset yellow and allura red with human serum albumin. 0



- 34 Characterization of Binding Properties of Cr(Phen) 3 3+ and Ru(Phen) 3 2+ Complexes with Human Lactoferrin. ○
- 33 An Integrated Analysis of Mechanistic Insights into Biomolecular Interactions and Molecular Dynamics of Bio-Inspired Cu(II) and Zn(II) Complexes towards DNA/BSA/SARS-CoV-2 3CLpro by Molecular Docking-Based Virtual Screening and FRET Detection. **2022**, 12, 1883 ○
- 32 Pyridine derivatives complexes of Co (II) and Ni (II) 3-Bromobenzoates: Crystal Structure, in silico Anti-SARS-CoV-2 potential, Serum Albumin Binding Properties and Cytotoxicity. ○
- 31 Experimental and Computational Characterisation of the Molecular Interactions between 1-Butyl-1-methyl-pyrrolidin-1-ium bis(trifluoromethanesulphonyl)imide and Human Serum Albumin. **2023**, 8, ○
- 30 Study on the interaction of two quinazolin derivatives as novel PI3K/mTOR dual-inhibitors and anticancer agents to human serum albumin utilizing spectroscopy and docking. ○
- 29 Synthesis, Spectroscopic elucidation, In vitro Antimicrobial, Cytotoxic and CT-DNA binding Evaluation of Heterobimetallic Complexes of Ni(II) with Main Group/Transition Metal dichlorides. **2023**, 134936 ○
- 28 Spectral studies, crystal structures, DNA binding, and anticancer potentials of Pd(II) complexes with iminophosphine ligands: Experimental and computational methods. **2023**, 547, 121368 ○
- 27 Photoacoustic studies on excitation transfer in organic dyes in solutions and on surfaces. **2023**, 359-378 ○
- 26 A novel Cu(II)-based DNA-intercalating agent: Structural and biological insights using biophysical and in silico techniques. **2023**, 293, 122438 ○
- 25 Interaction mechanisms of the binding of polychlorinated biphenyls to thyroid hormone transporters revealed based on quantum chemistry and spectroscopy. **2023**, 1281, 135104 ○
- 24 Crystal structure, fluorescence properties, and biological activity of three Butterfly-shaped Ln4 compounds. **2023**, 234, 116321 ○
- 23 Performance assessment of the two oxygen sensor based respirometric platforms with complex media and in selective bacterial assays. **2023**, 383, 133582 ○
- 22 Detection of tartrazine with fluorescence sensor from crayfish shell carbon quantum dots. **2023**, 118, 105200 ○
- 21 Interaction of ruthenium(II) polypyridyl complexes [Ru(phen)2(L)]2+ (L = PIP, p-HPIP and m-HPIP) with RNA poly(A)/poly(U): Each complex unexpectedly exhibiting a destabilizing effect on RNA. **2023**, 135, 106523 ○
- 20 Crystal structure, fluorescence, magnetic properties and DNA interaction of four novel binuclear LnIII2 compounds with Schiff ligand. **2023**, 1282, 135207 ○
- 19 Experimental and computational studies of silver(I) dibenzoylmethane-based complexes, interaction with DNA/RNA/BSA biomolecules, and in vitro cytotoxic activity. **2023**, 241, 112132 ○
- 18 Interaction of Positively Charged Oligopeptides with Blood Plasma Proteins. **2023**, 24, 2836 ○
- 17 Quercetin Induces Apoptosis in HepG2 Cells via Directly Interacting with YY1 to Disrupt YY1-p53 Interaction. **2023**, 13, 229 ○

- 16 Developing a novel nano-drug delivery system for delivery of quinapril according to experimental and chemometrical evidence. **2023**, 81, 104271 ○
- 15 Exploring the Interaction Between the Newly Designed Antitumor Zn(II) Complex and CT-DNA/BSA: Spectroscopic Methods, DFT Computational Analysis, and Docking Simulation. ○
- 14 Carbon quantum dots derived from fish scales as fluorescence sensors for detection of malachite green. ○
- 13 New dinuclear cobalt(II) complexes as self-activating chemical nuclease and inhibitor of tumor cell invasion: High selective cytotoxicity against NCI-H460 cells. **2023**, 37, ○
- 12 Probing the binding of morin with alpha-2-macroglobulin using multi-spectroscopic and molecular docking approach. ○
- 11 Screening and Inhibition Mechanism of Xanthine Oxidase Inhibitors in Ethanolic Extracts of *Chimonanthus salicifolius* Hu Leaves. ○
- 10 Probing the interaction between niobium pentoxide nanoparticles and serum albumin proteins by Spectroscopic approaches. 1-11 ○
- 9 Interactions of N-Mannich Bases of Pyrrolo[3,4-c]pyrrole with Artificial Models of Cell Membranes and Plasma Proteins, Evaluation of Anti-Inflammatory and Antioxidant Activity. **2023**, 13, 349 ○
- 8 Anti-proliferative potential of copper(I) acylthiourea complexes with triphenylphosphine against breast cancer cells. ○
- 7 Investigations of the Interaction Mechanism Between Orphenadrine Hydrochloride and Bovine Serum Albumin by Spectroscopic and Voltammetric Techniques. ○
- 6 Multiple Linear Regression Predictive Modeling of Colloidal and Fluorescence Stability of Theranostic Perfluorocarbon Nanoemulsions. **2023**, 15, 1103 ○
- 5 Insights on the in-vitro binding interaction between donepezil and bovine serum albumin. **2023**, 17, ○
- 4 Molecular Interaction Mechanism and Preservative Effect of Lactone Sophorolipid and Lactoferrin/Lactoglobulin Systems. **2023**, 12, 1561 ○
- 3 Glucuronic acid metabolites of phenolic acids target AKT-PH domain to improve glucose metabolism. **2023**, ○
- 2 Influence of hemin on structure and emulsifying properties of soybean protein isolate. **2023**, 136183 ○
- 1 DNA damage and intercalation by elinafide modified bis-naphthalimides for their anticancer activity. **2023**, 382, 121980 ○