

Structures, spectra, and DNA-binding properties of mixed
iminodiacetic acid: The novel role of diimine co-ligands
hydrolytic and oxidative double strand DNA cleavage

Journal of Inorganic Biochemistry

100, 316-330

DOI: [10.1016/j.jinorgbio.2005.11.018](https://doi.org/10.1016/j.jinorgbio.2005.11.018)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Structures and DNA-Binding and Cleavage Properties of Ternary Copper(II) Complexes of Glycine with Phenanthroline, Bipyridine, and Bipyridylamine. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 853-860.	0.6	27
2	A Dinuclear Copper(II) Complex with Adeninate Bridge Ligands and Prominent DNA Cleavage Activity. Structural and Spectroscopic Characterization and Magnetic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 7178-7188.	1.9	65
3	Hydrolytic Cleavage of DNA by a Ruthenium(II) Polypyridyl Complex. <i>Inorganic Chemistry</i> , 2007, 46, 5450-5452.	1.9	68
4	The first dinuclear copper(ii) and zinc(ii) complexes containing novel Bis-TACN: syntheses, structures, and DNA cleavage activities. <i>Dalton Transactions</i> , 2007, , 1060.	1.6	139
5	Novel N-(3-carboxyl-9-benzylcarboline-1-yl)ethylamino acids: synthesis, anti-proliferation activity and two-step-course of intercalation with calf thymus DNA. <i>Molecular BioSystems</i> , 2007, 3, 855.	2.9	22
6	Cleavage of Proteins by a Mixed-Ligand Copper(II) Phenolate Complex: Hydrophobicity of the Diimine Coligand Promotes Cleavage. <i>Inorganic Chemistry</i> , 2007, 46, 10446-10448.	1.9	36
7	Mixed-Ligand Copper(II)-phenolate Complexes: Effect of Coligand on Enhanced DNA and Protein Binding, DNA Cleavage, and Anticancer Activity. <i>Inorganic Chemistry</i> , 2007, 46, 8208-8221.	1.9	543
8	Synthesis, magnetic property and DNA cleavage behavior of a new dialkoxo-bridged diiron(III) complex. <i>Applied Organometallic Chemistry</i> , 2007, 21, 129-134.	1.7	6
9	Influence of the Polypyridyl (pp) Ligand Size on the DNA Binding Properties, Cytotoxicity and Cellular Uptake of Organoruthenium(II) Complexes of the Type [(1-6-C6Me6)Ru(L)(pp)] ⁿ⁺ [L = Cl, n = 1; L = (NH ₂) ₂ CS, n = 2]. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3034-3046.	1.0	157
10	The crystal structure, self-assembly, DNA-binding and cleavage studies of the [2]pseudorotaxane composed of cucurbit[6]uril. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 932-936.	1.0	27
11	Copper(II) complexes of N ₄ tetradentate ligands with flexible alkyl spacers: Crystal structure, DNA binding and cleavage studies. <i>Polyhedron</i> , 2007, 26, 3008-3016.	1.0	44
12	Coligand tuning of the DNA binding properties of half-sandwich organometallic intercalators: Influence of polypyridyl (pp) and monodentate ligands (L=Cl, (NH ₂) ₂ CS, (NMe ₂) ₂ CS) on the intercalation of (1-5-pentamethylcyclopentadienyl)-iridium(III)-dipyridoquinoxaline and -dipyridophenazine complexes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1300-1309.	0.8	74
13	Synthesis, characterization and studies on DNA-binding of a new Cu(II) complex with N1,N8-bis(l-methyl-4-nitropyrrole-2-carbonyl)triethylenetetramine. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 10-18.	1.5	192
14	Tetrakis(1/4-2,6-difluorobenzoato-1/2O)bis[aquacopper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m991-m993.	0.2	3
15	(Benzoato-1/2O)chlorido(di-2-pyridylamine-1/2N,N) copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m1756-m1757.	0.2	2
16	Copper Complexes with Sulfonamides Derivatives of Natural Amino Acids as Chemical Nucleases. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1937-1944.	0.6	3
17	Electrochemical and spectroscopic characterization of the interaction between DNA and Cu(II)-naringin complex. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 706-713.	1.4	33
18	Template synthesis of novel carboxamide dinuclear copper (II) complex: spectral characterization and reactivity towards calf-thymus DNA. <i>BioMetals</i> , 2008, 21, 299-310.	1.8	44

#	ARTICLE	IF	CITATIONS
19	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. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008, 61, 265-278.	1.6	42
20	Synthesis and DNA-binding properties of 1,10-phenanthroline analogues as intercalating crosslinkers. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1889-1892.	1.4	9
21	Cytotoxic half-sandwich rhodium(III) complexes: Polypyridyl ligand influence on their DNA binding properties and cellular uptake. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2299-2309.	0.8	87
22	Synthesis, characterization, and studies on DNA binding of a new Mg(II) complex with N1,N8-bis(1-methyl-4-nitropyrrole-2-carbonyl)triethylenetetramine. <i>Biochemistry (Moscow)</i> , 2008, 73, 245-251.	0.7	2
23	Mixed ligand ruthenium(ii) complexes of bis(pyrid-2-yl)-bis(benzimidazol-2-yl)-dithioether and diimines: Study of non-covalent DNA binding and cytotoxicity. <i>Dalton Transactions</i> , 2008, , 148-163.	1.6	117
24	Recent development of interaction of transition metal complexes with DNA based on biosensor and its applications. <i>Talanta</i> , 2008, 77, 1-8.	2.9	50
25	Barrel- and Crown-Shaped Dodecanuclear Copper(II) Cages Built from Phosphonate, Pyrazole, and Hydroxide Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 5347-5354.	1.9	37
26	Non-covalent DNA binding and cytotoxicity of certain mixed-ligand ruthenium(ii) complexes of 2,2'-dipyridylamine and diimines. <i>Dalton Transactions</i> , 2008, , 2157.	1.6	142
27	Interaction of rac-[Cu(diimine) ₃] ²⁺ and rac-[Zn(diimine) ₃] ²⁺ complexes with CT DNA: effect of fluxional Cu(ii) geometry on DNA binding, ligand-promoted exciton coupling and prominent DNA cleavage. <i>Dalton Transactions</i> , 2008, , 3866.	1.6	87
28	Structures and Interaction with DNA of Ternary Palladium(II) Complexes: [Pd(Gly)(X)] (Gly=Glycine;) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> <i>Pharmaceutical Bulletin</i> , 2008, 56, 908-914.	0.6	22
29	Synthesis and Biophysical Studies of Bis-Macrocyclic Cobalt/Copper(II) Complexes Having a Pyridine Spacer with CT DNA and 5' dGMP. <i>Chemistry and Biodiversity</i> , 2009, 6, 2275-2289.	1.0	7
30	A Hydroxyl-bridged Dinuclear Copper Complex Having Planar Structure Shows Efficient DNA Cleavage Activity in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2009, 38, 1357-1367.	0.6	4
31	Oxidative nuclease activity of ferromagnetically coupled 1/4-hydroxo-1/4-propionato copper(II) complexes [Cu ₃ (L) ₂ (1/4-OH) ₂ (1/4-propionato) ₂] (L=N-(pyrid-2-ylmethyl)R-sulfonamidato, R=benzene, toluene,) <i>Tj ETQq0 0 0 rgBT /Overl</i> <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 833-844.	1.5	89
33	Toward the development of metal-based synthetic nucleases: DNA binding and oxidative DNA cleavage of a mixed copper(II) complex with N-(9H-purin-6-yl)benzenesulfonamide and 1,10-phenanthroline. Antitumor activity in human Caco-2 cells and Jurkat T lymphocytes. Evaluation of p53 and Bcl-2 proteins in the apoptotic mechanism. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 923-934.	1.5	199
34	A synthetic dinuclear copper(II) hydrolase and its potential as antitumoral: Cytotoxicity, cellular uptake, and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1323-1330.	1.5	48
35	Copper(II) complexes of methylated glycine derivatives: Effect of methyl substituent on their DNA binding and nucleolytic property. <i>Polyhedron</i> , 2009, 28, 2219-2227.	1.0	15
36	pH- and mol-ratio dependent formation of zinc(II) coordination polymers with iminodiacetic acid: Synthesis, spectroscopic, crystal structure and thermal studies. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2698-2706.	1.4	29

#	ARTICLE	IF	CITATIONS
37	Synthesis of new heterometallic macromolecules: Their DNA binding, cleavage activity and in vitro model electrochemotherapy study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1152-1159.	2.0	6
38	Mixed-Ligand Copper(II) Maltolate Complexes: Synthesis, Characterization, DNA Binding and Cleavage, and Cytotoxicity. <i>Inorganic Chemistry</i> , 2009, 48, 9120-9132.	1.9	157
39	Induction of Cell Death by Ternary Copper(II) Complexes of β -Tyrosine and Diimines: Role of Coligands on DNA Binding and Cleavage and Anticancer Activity. <i>Inorganic Chemistry</i> , 2009, 48, 1309-1322.	1.9	239
40	Stability of Binary and Ternary Copper(II) Complexes with 1,10-Phenanthroline, 2,2'-Bipyridyl and Some α -Amino Acids in Aqueous Medium. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 694-699.	0.6	15
41	DNA-Binding and Cleavage Studies of a Novel Two-dimensional Manganese(II) Azide Complex with N-Methylimidazole. <i>Analytical Sciences</i> , 2009, 25, 359-363.	0.8	18
42	Synthesis of carbohydrate-conjugate heterobimetallic Cu(II)-Sn(IV) and Zn(II)-Sn(IV) complexes; their interactions with CT DNA and nucleotides; DNA cleavage, in-vitro cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 4797-4806.	2.6	31
43	ROS-mediated autophagy was involved in cancer cell death induced by novel copper(II) complex. <i>Experimental and Toxicologic Pathology</i> , 2010, 62, 577-582.	2.1	64
44	Synthesis, Characterization and Nuclease Activity of Ternary Copper(II) Complexes Containing Dipyrido[3,2-a:2',3'-c]phenazine and α -Amino Acids. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2179-2187.		6
45	Nickel(II) derivatives of N-benzyliminodiacetate(2 ⁻) ligands, with and without imidazole: Synthesis, crystal structure and properties. <i>Polyhedron</i> , 2010, 29, 683-690.	1.0	8
46	Synthesis, crystal structure, antioxidation and DNA-binding properties of the Ln complexes with 1-phenyl-3-methyl-5-hydroxypyrazole-4-carbaldehyde-(benzoyl)hydrazone. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 415-422.	0.8	24
47	DNA cleavage promoted by trigonal-bipyramidal zinc(II) and copper(II) complexes formed by asymmetric tripodal tetradentate 2-[bis(2-aminoethyl)amino]ethanol. <i>Inorganica Chimica Acta</i> , 2010, 363, 793-798.	1.2	16
48	Synthesis, characterization and DNA binding studies of new ruthenium(II)bisterpyridine complexes. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 284-291.	2.6	82
49	Chiral preference of l-tryptophan derived metal-based antitumor agent of late 3d-metal ions (Co(II),) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 DNA, 5'-GMP and 5'-TMP. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3549-3557.	2.6	87
50	Catecholase and DNase activities of copper(II) complexes containing phenolate-type ligands. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 1000-1013.	0.9	19
51	Synthesis, characterization, and studies on DNA binding of the complex Fe(Sal2dienNO3·H2O). <i>Biochemistry (Moscow)</i> , 2010, 75, 505-512.	0.7	5
52	Synthesis, structural characterization, antimicrobial, DNA-binding, and photo-induced DNA cleavage activity of some bio-sensitive Schiff base copper(II) complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 4380-4397.	0.8	14
53	DNA Binding and Gel Electrophoresis Studies of a Copper (II) Complex Containing Mixed Aliphatic and Aromatic Dinitrogen Ligands. <i>DNA and Cell Biology</i> , 2010, 29, 329-336.	0.9	28
54	Copper inverse-9-metallacrown-3 compounds interacting with DNA. <i>Dalton Transactions</i> , 2010, 39, 765-775.	1.6	95

#	ARTICLE	IF	CITATIONS
55	Stabilization of acyclic water tetramer in a copper(ii) malonate framework structure. Dalton Transactions, 2010, 39, 9146.	1.6	15
56	Efficient double-strand cleavage of DNA mediated by Zn(ii)-based artificial nucleases. Dalton Transactions, 2011, 40, 5617.	1.6	37
57	Synthesis, characterization, plasmid cleavage and cytotoxicity of cancer cells by a copper(ii) complex of anthracenyl-terpyridine. Dalton Transactions, 2011, 40, 10865.	1.6	52
58	Cytotoxic activity, cell imaging and photocleavage of DNA induced by a Pt(ii) cyclophane bearing 1,2 diamino ethane as a terminal ligand. MedChemComm, 2011, 2, 1208.	3.5	24
59	Synthesis, Electronic Structure, DNA and Protein Binding, DNA Cleavage, and Anticancer Activity of Fluorophore-Labeled Copper(II) Complexes. Inorganic Chemistry, 2011, 50, 545-558.	1.9	249
60	Interaction with DNA and different effect on the nucleus of cancer cells for copper(ii) complexes of N-benzyl di(pyridylmethyl)amine. Dalton Transactions, 2011, 40, 4414.	1.6	17
61	Two New Ternary Complexes of Copper(II) with Tetracycline or Doxycycline and 1,10-Phenanthroline and Their Potential as Antitumoral: Cytotoxicity and DNA Cleavage. Inorganic Chemistry, 2011, 50, 6414-6424.	1.9	154
62	Ternary Dinuclear Copper(II) Complexes of a Hydroxybenzamide Ligand with Diimine Coligands: the 5,6-dmp Ligand Enhances DNA Binding and Cleavage and Induces Apoptosis. Inorganic Chemistry, 2011, 50, 6458-6471.	1.9	184
63	Interaction of rac-[M(diimine) ₃] ²⁺ (M = Co, Ni) complexes with CT DNA: role of 5,6-dmp ligand on DNA binding and cleavage and cytotoxicity. Dalton Transactions, 2011, 40, 3245.	1.6	86
64	DNA Binding, DNA Cleavage, and Cytotoxicity Studies of Two New Copper (II) Complexes. DNA and Cell Biology, 2011, 30, 287-296.	0.9	18
65	Synthesis, characterization and in vitro DNA binding studies of tin(IV) complexes of tert-butyl 1-(2-hydroxy-1-phenylethylamino)-3-methyl-1-oxobutan-2-yl carbamate. Journal of Organometallic Chemistry, 2011, 696, 3572-3579.	0.8	15
66	Synthesis, DNA binding and cleavage activities of copper (II) thiocyanate complex with 4-(N,N-dimethylamino)pyridine and N,N-dimethylformamide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 21-27.	2.0	9
67	Synthesis, spectroscopic characterization and DNA nuclease activity of Cu(II) complexes derived from pyrazolone based NSO-donor Schiff base ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 84, 256-268.	2.0	39
68	Carbohydrate-conjugate heterobimetallic complexes: synthesis, DNA binding studies, artificial nuclease activity and in vitro cytotoxicity. Carbohydrate Research, 2011, 346, 2886-2895.	1.1	21
69	Mixed-ligand manganese(II)-phenolate complexes: study of DNA cleavage, cytotoxic activity, and induction of apoptosis. Journal of Coordination Chemistry, 2011, 64, 3992-4005.	0.8	11
70	DNA-binding study of anthraquinone derivatives using Chemometrics methods. European Journal of Medicinal Chemistry, 2011, 46, 2630-2638.	2.6	49
71	Synthesis, nucleic acid binding and cytotoxicity of polyethyleneimine-copper(II) complexes containing 1,10-phenanthroline and l-valine. European Journal of Medicinal Chemistry, 2011, 46, 3013-3021.	2.6	38
72	Fluorescence and DNA-binding properties of neodymium(III) and praseodymium(III) complexes containing 1,10-phenanthroline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 978-984.	2.0	31

#	ARTICLE	IF	CITATIONS
73	Antibacterial Activities and Nuclease Properties of Two New Ternary Copper(II) Complexes with 2,2'-(4,4'-thiazolyl)bis(benzimidazole) and 2,2'-bipyridine/1,10-phenanthroline. Chinese Journal of Chemistry, 2011, 29, 1380-1388.	2.0	8
74	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. Chinese Journal of Chemistry, 2011, 29, 259-266.	2.6	28
75	A mechanistic approach for the DNA binding of chiral enantiomeric <i>L</i> - and <i>D</i> -tryptophan-derived metal complexes of 1,2-DACH: Cleavage and antitumor activity. Chirality, 2011, 23, 250-259.	1.3	42
76	Synthesis, characterization, and study on HeLa cells activity of a dinuclear complex [Cu4(phen)4(H2O)2]·(pyri)·3H2O. European Journal of Medicinal Chemistry, 2011, 46, 2546-2554.	2.6	16
77	Synthesis, crystal structure and DNA-binding properties of a new copper(II) complex with l-valine Schiff base and 1,10-phenanthroline. Journal of Molecular Structure, 2011, 986, 57-63.	1.8	26
78	Synthesis of new chiral heterocyclic Schiff base modulated Cu(II)/Zn(II) complexes: Their comparative binding studies with CT-DNA, mononucleotides and cleavage activity. Journal of Photochemistry and Photobiology B: Biology, 2011, 103, 166-179.	1.7	118
79	One pot synthesis of Cu(II) 2,2'-bipyridyl complexes of 5-hydroxy-hydurilic acid and alloxanic acid: Synthesis, crystal structure, chemical nuclease activity and cytotoxicity. Journal of Inorganic Biochemistry, 2011, 105, 256-267.	1.5	30
80	Synthesis, DNA binding, photo-induced DNA cleavage, cytotoxicity and apoptosis studies of copper(II) complexes. Journal of Inorganic Biochemistry, 2011, 105, 119-126.	1.5	114
81	Study on fluorescence and DNA-binding of praseodymium(III) complex containing 2,2'-bipyridine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 389-395.	2.0	42
82	Aqua[4-(hydroxyiminomethyl)pyridine- <i>N</i> 1](iminodiacetato- <i>N</i> , <i>O</i>)copper(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1291-m1292.	0.2	4
83	Copper(II) complex based on a V-shaped ligand, 2,6-bis(2-benzimidazolyl)pyridine: synthesis, crystal structure, DNA-binding properties, and antioxidant activities. Journal of Coordination Chemistry, 2011, 64, 4383-4396.	0.8	25
84	Synthesis, spectroscopic, and biological activities of two binuclear complexes [Cu(II)(1-phenylamidino-O-methylurea)2(H2O)]2(Cl)2 and [Cu(II)(1-phenylamidino-O- <i>i</i> -butylurea)tmen]2(Cl)2·2H2O. Journal of Coordination Chemistry, 2011, 64, 1586-1601.	0.8	13
85	Synthesis, characterization, and DNA-binding of a four-coordinate cobalt(II) complex with 1,3-bis(1-ethylbenzimidazol-2-yl)-2-oxopropane. Journal of Coordination Chemistry, 2011, 64, 3041-3050.	0.8	9
86	Synthesis, characterization, antioxidant, antimicrobial, DNA binding and cleavage studies of mononuclear Cu(II) and Co(II) complexes of 3-hydroxy- <i>N'</i> -(2-hydroxybenzylidene)-2-naphthohydrazide. European Journal of Chemistry, 2011, 2, 394-403.	0.3	39
87	DNA breakage induced by piceatannol and copper(II): Mechanism and anticancer properties. Oncology Letters, 2012, 3, 1087-1094.	0.8	29
88	DNA binding and nucleolytic properties of Cu(II) complexes of salicylaldehyde semicarbazones. Metallomics, 2012, 4, 188-196.	1.0	32
89	Two heptadentate Co(III) and Mn(III) complexes with partially deprotonated cyclen derivative bearing four hydroxypropyl pendants: structure, DNA binding and DNA cleavage. Applied Organometallic Chemistry, 2012, 26, 671-680.	1.7	5
90	New heterobimetallic complex as potential topoisomerase I inhibitor: In vitro DNA binding, cleavage and cytotoxicity against human cancer cell lines. Journal of Photochemistry and Photobiology B: Biology, 2012, 115, 63-72.	1.7	43

#	ARTICLE	IF	CITATIONS
91	Synthesis, Spectroscopic, DNA Binding, and Antimicrobial Studies on bis (1-amidino-O-alkylurea) Cu(II) Tartrate Complexes Where Alkyl = Methyl, Ethyl, n-Propyl, n-, or Iso-Butyl. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 792-800.	0.6	2
92	The importance of cellular localisation of probes: synthesis, photophysical properties, DNA interactions and cellular imaging properties of rhenium dppz complexes with known cellular localisation vectors. <i>New Journal of Chemistry</i> , 2012, 36, 64-72.	1.4	62
93	Nucleolytic Property Promoted by Biologically Active Metal-Based Complexes Formed by Neutral Quatridentate Ligands: Synthesis, Characterization, and DNA Binding Studies. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1192-1203.	0.6	2
94	Synthesis and structures of binuclear copper(II) complexes bridged by N-(5-chloro-2-hydroxyphenyl)-N ⁺ -[3-(dimethylamino)propyl]oxalamide ligand: DNA-binding properties and cytotoxic activities. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 48-57.	0.8	7
95	Chiral nano heterobimetallic DNA receptors: In vitro binding studies, cleavage activity and DNA condensation studies (TEM and AFM imaging). <i>Journal of Organometallic Chemistry</i> , 2012, 713, 123-133.	0.8	9
96	Synthesis, magnetic properties, DNA binding and cleavage activity of a new oxalato bridged copper(II) complex. <i>Applied Organometallic Chemistry</i> , 2012, 26, 511-517.	1.7	4
97	Enantiomeric Specificity of Biologically Significant Cu(II) and Zn(II) Chromone Complexes Towards DNA. <i>Chirality</i> , 2012, 24, 977-986.	1.3	23
98	Mixed Ligand Copper(II) Complexes of <i>N,N</i> -Bis(benzimidazol-2-ylmethyl)amine (BBA) with Diimine Co-Ligands: Efficient Chemical Nuclease and Protease Activities and Cytotoxicity. <i>Inorganic Chemistry</i> , 2012, 51, 5512-5532.	1.9	198
99	Structural and spectroscopic investigations on bis(1-amidino-O-2-alkoxyethylurea) copper(II) perchlorate complexes (alkoxy=methoxy, ethoxy or butoxy). <i>Polyhedron</i> , 2012, 47, 1-8.	1.0	16
100	Cu(II) complexes of glyco-imino-aromatic conjugates in DNA binding, plasmid cleavage and cell cytotoxicity. <i>Journal of Chemical Sciences</i> , 2012, 124, 1217-1228.	0.7	15
101	Synthesis and Characterization of Ru(II)â€“DMSOâ€“Clâ€“Chalcone Complexes: DNA Binding, Nuclease, and Topoisomerase II Inhibitory Activity. <i>Inorganic Chemistry</i> , 2012, 51, 3059-3070.	1.9	58
102	A Unique Discrete Tetranuclear Cu ²⁺ â€“Cu(N-N)2Cu ²⁺ â€“Cu ²⁺ Copper(II) Complex, Built from a 1/4-3-1,2,4-Triazolato-1/4-carboxylato Ligand, as an Effective DNA Cleavage Agent. <i>Inorganic Chemistry</i> , 2012, 51, 9809-9819.	1.9	33
103	Indium(III) hetero-ligand complexes containing 1,10-phenanthroline, chloride, acetonitrile and dimethyl sulfoxide: Crystal structure determination, and luminescent properties. <i>Main Group Chemistry</i> , 2012, 11, 223-233.	0.4	19
104	Synthesis, spectroscopic, powder X-ray diffraction and DNA binding studies on copper(II) complexes of 4,4â€“diaminodiphenyl sulfone. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 441-448.	1.2	4
105	Synthesis, characterization, DNA binding and antimicrobial studies on bis(1-amidino-O-2-alkoxyethylurea) copper(II) chloride complexes (alkoxy= methoxy or ethoxy). <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 455-465.	1.2	1
106	Synthesis, characterization and DNA interaction of hexaaza macrotricyclic copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2012, 386, 109-115.	1.2	14
107	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 85, 53-60.	2.0	36
108	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 351-359.	2.0	53

#	ARTICLE	IF	CITATIONS
109	New modulated design and synthesis of chiral CuII/SnIV bimetallic potential anticancer drug entity: In vitro DNA binding and pBR322 DNA cleavage activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 208-217.	2.0	11
110	Syntheses, characterization and molecular structures of calcium(II) and copper(II) complexes bearing O2-chelate ligands: DNA binding, DNA cleavage and anti-microbial study. <i>Polyhedron</i> , 2012, 31, 767-778.	1.0	36
111	In-vitro DNA binding and cleavage studies with pBR322 of N,N-Bis(3 <i>i</i> -acetoxy-5 <i>β</i> -cholest-6-yl-idene)hydrazine. <i>Journal of Luminescence</i> , 2012, 132, 2178-2181.	1.5	8
112	N-[2(3-Carboxyl-9-benzyl-carboline-1-yl)ethyl-1-yl]-amino acids: correlation of spectral property with in vivo anti-tumor activity. <i>Medicinal Chemistry Research</i> , 2012, 21, 116-123.	1.1	4
113	Metal based photosensitizers of tetradentate Schiff base: Promising role in anti-tumor activity through singlet oxygen generation mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 12-21.	2.0	23
114	A new pyrazolone based ternary Cu(II) complex: Synthesis, characterization, crystal structure, DNA binding, protein binding and anti-cancer activity towards A549 human lung carcinoma cells with a minimum cytotoxicity to non-cancerous cells. <i>Polyhedron</i> , 2013, 65, 262-274.	1.0	57
115	Bi-nuclear Ru(II) complexes of bis-chalcone and bis-flavonol: synthesis, characterization, photo cleavage of DNA and Topoisomerase I inhibition. <i>RSC Advances</i> , 2013, 3, 12210.	1.7	28
116	Highly efficient synthetic iron-dependent nucleases activate both intrinsic and extrinsic apoptotic death pathways in leukemia cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 38-47.	1.5	19
117	Chiral heterobimetallic complexes targeting human DNA-topoisomerase I. <i>Dalton Transactions</i> , 2013, 42, 16749.	1.6	58
118	Ferromagnetic coupling and spin canting behaviour in heterobimetallic $Re^{IV}M^{III}$ ($M = Co^{II/III}, Ni^{II}$) species. <i>Dalton Transactions</i> , 2013, 42, 1687-1695.	1.6	24
119	Real-time detection of DNA cleavage induced by $[M(2,2'$ -bipyridine) $2(NO_3)](NO_3)$ ($M=Cu(II), Zn(II)$ and Tj) $ETQq0,0\ 0\ rgBT_{14}$ /Overlock	1.5	14
120	Synthesis and mechanistic insight of glycosylated CuII/NiII-SnIV heterobimetallic DNA binding agents: Validation of a specific CuII-SnIV chemotherapeutic agent for human leukemic cell line K-562. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 226-234.	0.8	10
121	Studies on DNA binding behavior of biologically active Cu(II) complexes of Schiff bases containing acyl pyrazolones and 2-ethanolamine. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1094-1106.	0.8	14
122	A platinum complex that binds non-covalently to DNA and induces cell death via a different mechanism than cisplatin. <i>Metallomics</i> , 2013, 5, 514.	1.0	77
123	DNA damage induction and antiproliferative activity of vanadium(V) oxido monoperoxido complex containing two bidentate heteroligands. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013, 27, 21-26.	1.5	20
124	Copper(II) complexes with 2NO and 3N donor ligands: synthesis, structures and chemical nuclease and anticancer activities. <i>Dalton Transactions</i> , 2013, 42, 8347.	1.6	94
125	ctDNA binding affinity and in vitro antitumor activity of three Keggin type polyoxotungstates. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 124, 27-33.	1.7	29
126	Improvement of nitrilase production from a newly isolated <i>Alcaligenes faecalis</i> mutant for biotransformation of iminodiacetonitrile to iminodiacetic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 169-176.	2.7	13

#	ARTICLE	IF	CITATIONS
127	Interaction of mixed ligand copper(II) complexes with CT DNA and BSA: Effect of primary ligand hydrophobicity on DNA and protein binding and cleavage and anticancer activities. <i>Polyhedron</i> , 2013, 52, 924-938.	1.0	98
128	Synthesis, crystal structure, electrochemical and bioactivities of pyridine-2-carboxylato bridged copper(II) complexes. <i>Polyhedron</i> , 2013, 50, 139-145.	1.0	17
129	Theoretical Simulations on Interactions of Mono- and Dinuclear Metallonucleases with DNA. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1197-1209.	1.2	10
130	Ligand dependent self-assembly of hydroxido-bridged dicopper units templated by sodium ion. <i>Dalton Transactions</i> , 2013, 42, 12495.	1.6	22
131	Syntheses, characterizations and bioactivities on HeLa cells and KB cells of two dinuclear manganese complexes with carboxylate bridges. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1945-1958.	0.8	6
132	DNA binding, nuclease, and colon cancer cell inhibitory activity of a Cu(II) complex of a thiazolidine-4-carboxylic acid derivative. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1805-1820.	0.8	24
133	DNA cleavage induced by [Cu(L) _x (NO ₃) ₂] (L=2,2'-dipyridylamine, 2,2'-bipyridine, dipicolylamine, x=1 or 2): Effect of the ligand structure. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 79-86.	1.5	13
134	Thiosemicarbazone Cu(II) and Zn(II) complexes as potential anticancer agents: Syntheses, crystal structure, DNA cleavage, cytotoxicity and apoptosis induction activity. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 13-23.	1.5	76
135	Synthesis and structure elucidation of a cobalt(II) complex as topoisomerase I inhibitor: In vitro DNA binding, nuclease and RBC hemolysis. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 683-693.	2.6	36
136	New modulated design, docking and synthesis of carbohydrate-conjugate heterobimetallic CuII-SnIV complex as potential topoisomerase II inhibitor: In vitro DNA binding, cleavage and cytotoxicity against human cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 694-702.	2.6	17
137	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 625-635.	2.0	23
138	Heterobimetallic o-vanillin functionalized complexes: In vitro DNA binding validation, cleavage activity and molecular docking studies of CuII-SnIV analogs. <i>Journal of Organometallic Chemistry</i> , 2014, 752, 17-24.	0.8	13
139	Synthesis, structural investigation, DNA and protein binding study of some 3d-metal complexes with N-(phenyl-pyridin-2-yl-methylene)-thiophene-2-carboxylic acid hydrazide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 452-464.	2.0	50
140	Advances in Copper Complexes as Anticancer Agents. <i>Chemical Reviews</i> , 2014, 114, 815-862.	23.0	1,375
141	Synthesis, spectroscopic, and biological studies on copper(II) complexes containing equatorial-apical chloride bridges: crystal structure of [Cu ₂ (μ -Cl) ₂ (O-2-butoxyethylpyridine-2-carboximidate) ₂ Cl ₂]. <i>Journal of Coordination Chemistry</i> , 2014, 67, 891-909.	0.8	21
142	Efficient single-strand cleavage of DNA mediated by a Mn ^{III} -Mn ^{IV} -based artificial nuclease. <i>Dalton Transactions</i> , 2014, 43, 2646-2655.	1.6	5
143	Mixed ligand μ -phenoxo-bridged dinuclear copper(II) complexes with diimine co-ligands: efficient chemical nuclease and protease activities and cytotoxicity. <i>Dalton Transactions</i> , 2014, 43, 6177.	1.6	89
144	Mixed ligand copper(II) complexes of 1,10-phenanthroline with tridentate phenolate/pyridyl/(benz)imidazolyl Schiff base ligands: Covalent vs non-covalent DNA binding, DNA cleavage and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 255-268.	1.5	89

#	ARTICLE	IF	CITATIONS
145	Synthesis, spectroscopic and DNA interaction studies on bis(1-amidino-O-2-alkoxyethylurea)Cu(II)nitrate where alkoxy=methoxy, ethoxy or butoxy. Journal of Molecular Structure, 2014, 1076, 411-418.	1.8	7
146	Synthesis, characterization, and pharmacological aspects of metal(II) complexes incorporating 4-[phenyl(phenylimino)methyl]benzene-1,3-diol. Journal of Coordination Chemistry, 2014, 67, 2747-2764.	0.8	11
147	Review: Solution equilibria of ternary complexes formed from copper(II), aliphatic amines, and bioligands. Journal of Coordination Chemistry, 2014, 67, 2497-2529.	0.8	7
148	Synthesis, spectroscopic characterization, DNA interaction and biological activities of Mn(II), Co(II), Ni(II) and Cu(II) complexes with [(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol. Journal of Molecular Structure, 2014, 1076, 251-261.	1.8	43
149	Synthesis, characterization, DNA binding, cleavage activity and cytotoxicity of copper(II) complexes. Dalton Transactions, 2014, 43, 2789-2798.	1.6	53
150	Mixed ligand copper(II) complexes of 2,9-dimethyl-1,10-phenanthroline: Tridentate 3N primary ligands determine DNA binding and cleavage and cytotoxicity. Journal of Inorganic Biochemistry, 2014, 140, 202-212.	1.5	74
151	Dissymmetric thiosemicarbazone ligands containing substituted aldehyde arm and their ruthenium(II) carbonyl complexes with PPh ₃ /AsPh ₃ as ancillary ligands: Synthesis, structural characterization, DNA/BSA interaction and <i>in vitro</i> anticancer activity. Journal of Organometallic Chemistry, 2014, 768, 163-177.	0.8	37
152	Synthesis, spectroscopic, DNA cleavage and antibacterial activity of binuclear schiff base complexes. Arabian Journal of Chemistry, 2014, 7, 509-517.	2.3	29
153	<i>In vitro</i> antitumor activity of parent and nano-encapsulated mono cobalt-substituted Keggin polyoxotungstate and its ctDNA binding properties. Chemico-Biological Interactions, 2014, 215, 25-32.	1.7	25
154	Design and synthesis of enantiomeric (R)- and (S)-copper(II) and diorganotin(IV)-based antitumor agents: Their <i>in vitro</i> DNA binding profile, cleavage efficiency and cytotoxicity studies. Journal of Photochemistry and Photobiology B: Biology, 2014, 136, 62-71.	1.7	33
155	Syntheses, structures, <i>in vitro</i> cytotoxicities and DNA-binding properties of four copper complexes based on a phenyl 2-pyridyl ketoxime ligand. Transition Metal Chemistry, 2014, 39, 507-517.	0.7	10
156	Novel 1,2,4,5-tetrahydropyridazin-3(2H)-one-3-carboxamide Derivatives: Synthesis, Anticancer Evaluation and Identification of Their DNA-Binding Interaction. Chemical and Pharmaceutical Bulletin, 2014, 62, 238-246.	0.6	15
157	Tumor-targeting novel manganese complex induces ROS-mediated apoptotic and autophagic cancer cell death. International Journal of Molecular Medicine, 2015, 35, 607-616.	1.8	53
158	Interaction of DNA with Simple and Mixed Ligand Copper(II) Complexes of 1,10-Phenanthrolines as Studied by DNA-Fiber EPR Spectroscopy. International Journal of Molecular Sciences, 2015, 16, 22754-22780.	1.8	42
159	Synthesis and the characterization of Schiff-base copper complexes: Reactivity with DNA, 4-NPP and BNPP. Inorganica Chimica Acta, 2015, 428, 176-184.	1.2	7
160	Synthesis, structural characterization, <i>in-vitro</i> antibiogram assay and efficient catalytic activities of transition metal(II) chelates incorporating (E)-(2-((2-hydroxybenzylidene)amino)phenyl)(phenyl)methanone ligand. Journal of Molecular Structure, 2015, 1086, 56-63.	1.8	4
161	Oxidative DNA cleavage by Cu(II) complexes: Effect of periphery substituent groups. Journal of Inorganic Biochemistry, 2015, 153, 143-149.	1.5	19
162	Molecular recognition between adenine or 2,6-diaminopurine and copper(II) chelates with N,O,S-tripodal tetradentate chelators having thioether or disulfide donor groups. Journal of Inorganic Biochemistry, 2015, 151, 75-86.	1.5	5

#	ARTICLE	IF	CITATIONS
163	Synthesis, structure, protein binding of Cu(II) complexes with a tridentate NNO Schiff-base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 290-300.	2.0	10
164	Fluorescent mixed ligand copper(II) complexes of anthracene-appended Schiff bases: studies on DNA binding, nuclease activity and cytotoxicity. <i>Dalton Transactions</i> , 2015, 44, 11997-12010.	1.6	69
165	Five water-soluble zwitterionic copper(II)-carboxylate polymers: role of dipyriddy coligands in enhancing the DNA-binding, cleaving and anticancer activities. <i>Dalton Transactions</i> , 2015, 44, 13369-13377.	1.6	26
166	Dual-targeting organometallic ruthenium(II) anticancer complexes bearing EGFR-inhibiting 4-anilinoquinazoline ligands. <i>Dalton Transactions</i> , 2015, 44, 13100-13111.	1.6	34
167	Mixed ligand copper(II) dicarboxylate complexes: the role of co-ligand hydrophobicity in DNA binding, double-strand DNA cleavage, protein binding and cytotoxicity. <i>Dalton Transactions</i> , 2015, 44, 10210-10227.	1.6	55
168	A multifunctional molecular entity Cu ^{II} -Sn ^{IV} heterobimetallic complex as a potential cancer chemotherapeutic agent: DNA binding/cleavage, SOD mimetic, topoisomerase II± inhibitory and in vitro cytotoxic activities. <i>RSC Advances</i> , 2015, 5, 47439-47450.	1.7	31
169	Homoleptic bisterpyridyl complexes: Synthesis, characterization, DNA binding, DNA cleavage and topoisomerase II inhibition activity. <i>Inorganica Chimica Acta</i> , 2015, 432, 71-80.	1.2	14
170	In vitro antitumor activity of free and nano-encapsulated Na ₅ [PMo ₁₀ V ₂ O ₄₀]·nH ₂ O and its binding properties with ctDNA by using combined spectroscopic methods. <i>Journal of Inorganic Biochemistry</i> , 2015, 152, 74-81.	1.5	25
171	DNA binding and cleavage studies of copper(II) complexes with 2'-deoxyadenosine modified histidine moiety. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 989-1004.	1.1	24
172	Insights into the strong in-vitro anticancer effects for bis(triphenylphosphane)iminium compounds having perchlorate, tetrafluoroborate and bis(chlorido)argentate anions. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 346-354.	1.5	12
173	DNA binding, photo-induced DNA cleavage and cytotoxicity studies of lomefloxacin and its transition metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 585-595.	2.0	32
174	Antimalarial, antimicrobial, cytotoxic, DNA interaction and SOD like activities of tetrahedral copper(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1881-1892.	2.0	23
175	Supramolecular compounds of azo dyes derived from 1-phenylazo-2-naphthol and their nickel and copper complexes. <i>Supramolecular Chemistry</i> , 2015, 27, 13-20.	1.5	12
176	Photoinduced and Self-Activated Nuclease Activity of Copper(II) Complexes with N-(8-quinolinyl)quinolin-8-sulfonamide: DNA and Bovine Serum Albumin Binding. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 982-994.	1.0	16
177	Crystal structure of (nitrate- λ^2 O)bis(1,10-phenanthroline- λ^2 N,N')copper(II) nitrate gallic acid monosolvate monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1577-1580.	0.2	0
178	Synthesis, crystal structure, DNA-binding and magnetism of copper 15-metallacrown-5 complexes based on glycinehydroxamic acid ligand. <i>RSC Advances</i> , 2016, 6, 47196-47202.	1.7	18
179	Graphene quantum dots with Zn ²⁺ and Ni ²⁺ conjugates can cleave supercoiled DNA. <i>Journal of Coordination Chemistry</i> , 2016, 69, 3395-3402.	0.8	7
180	An asymmetric binuclear zinc(II) complex with mixed iminodiacetate and phenanthroline ligands: synthesis, characterization, structural conversion and anticancer properties. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 959-968.	3.0	24

#	ARTICLE	IF	CITATIONS
181	ctDNA interaction of Co-containing Keggin polyoxomolybdate and in vitro antitumor activity of free and its nano-encapsulated derivatives. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1895-1904.	1.2	19
182	Mixed-ligand copper(II)-phenolate complexes: structure and studies on DNA/protein binding profiles, DNA cleavage, molecular docking and cytotoxicity. <i>RSC Advances</i> , 2016, 6, 1810-1825.	1.7	58
183	Synthesis, Structure, DNA Binding, and Cleavage of a Zn(II) Complex Constructed by 4,4'-Bipyridine and Phenylacetic Acid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1041-1046.	0.6	3
184	Copper(II) mixed-ligand polypyridyl complexes with doxycycline structures and biological evaluation. <i>Dalton Transactions</i> , 2016, 45, 3003-3012.	1.6	18
185	Theoretical studies on binding modes of copper-based nucleases with DNA. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 64, 11-29.	1.3	7
186	Low-dimensional compounds containing bioactive ligands. Part VI: Synthesis, structures, in vitro DNA binding, antimicrobial and anticancer properties of first row transition metal complexes with 5-chloro-quinolin-8-ol. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 67-77.	1.5	49
187	Mixed ligand complexes of Cu(II)/Zn(II) ions containing (m-)/(p-) carboxylato phenyl azo pentane 2,4-dione and 2,2'-bipyridine/1,10 phenanthroline: Synthesis, characterization, DNA binding, nuclease and topoisomerase I inhibitory activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 208-217.	2.0	11
188	De novo design of a hydrolytic DNA cleavage agent, mono nitratobis(phen)cobalt(II) aqua nitrate complex. <i>New Journal of Chemistry</i> , 2017, 41, 2883-2886.	1.4	6
189	Selenium nanoparticles synthesized in aqueous extract of <i>Allium sativum</i> perturbs the structural integrity of Calf thymus DNA through intercalation and groove binding. <i>Materials Science and Engineering C</i> , 2017, 74, 597-608.	3.8	60
190	Luminescence Studies of the Ligand Exchange Between Two Phenanthroline Complexes and Bovine Serum Albumin. <i>Journal of Applied Spectroscopy</i> , 2017, 84, 170-176.	0.3	3
191	DNA interaction and cleavage studies of ancillary chiral ligand and N,N-donor ligands coordinated platinum(II) complexes. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3868.	1.7	13
192	DNA and protein binding, double-strand DNA cleavage and cytotoxicity of mixed ligand copper(II) complexes of the antibacterial drug nalidixic acid. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 1-13.	1.5	69
193	Synthesis, characterization and DNA binding investigations on 1D polymeric copper(II) complexes of 1-amidino-O-alkylurea (alkyl = methyl, ethyl or propyl) having both dicyanamido and chloro bridges. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2492-2509.	0.8	2
194	Synthesis, spectroscopic and structural studies of new azo dyes metal chelates derived from 1-phenyl-azo-2-naphthol. <i>Journal of Molecular Structure</i> , 2017, 1146, 50-56.	1.8	12
195	Heteroleptic Copper(I) Complexes of α -Scorpionate-Bis-pyrazolyl Carboxylate Ligand with Auxiliary Phosphine as Potential Anticancer Agents: An Insight into Cytotoxic Mode. <i>Scientific Reports</i> , 2017, 7, 45229.	1.6	42
196	Non-enolisable Knoevenagel condensate appended Schiff bases-metal (II) complexes: Spectral characteristics, DNA-binding and nuclease activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 39-46.	2.0	28
197	Kinetics and thermodynamics of the reaction of iminodiacetate copper(II) complexes with 1,10-phenanthroline and 2,2'-bipyridine in aqueous, anionic, cationic and nonionic surfactants solutions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 729-740.	0.8	3
198	Synthesis and Biological Evaluation of Ru(II) and Pt(II) Complexes Bearing Carboxyl Groups as Potential Anticancer Targeted Drugs. <i>Inorganic Chemistry</i> , 2017, 56, 13679-13696.	1.9	38

#	ARTICLE	IF	CITATIONS
199	Microwave-assisted one pot synthesis, characterization, biological evaluation and molecular docking studies of steroidal thiazoles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 104-115.	1.7	32
200	Low-dimensional compounds containing bioactive ligands. Part VIII: DNA interaction, antimicrobial and antitumor activities of ionic 5,7-dihalo-8-quinolinolato palladium(II) complexes with K ⁺ and Cs ⁺ cations. <i>Journal of Inorganic Biochemistry</i> , 2017, 167, 80-88.	1.5	20
201	DNA-binding study of anticancer drug cytarabine by spectroscopic and molecular docking techniques. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2017, 36, 49-65.	0.4	30
202	Interactions of copper complexes with nucleic acids. <i>Coordination Chemistry Reviews</i> , 2018, 360, 92-121.	9.5	99
203	Synthesis, characterization, DNA binding, apoptosis and molecular docking of three Mn(II), Zn(II) and Cu(II) complexes with terpyridine-based carboxylic acid. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4164.	1.7	16
204	Luminescent cyclometallated platinum(II) complexes: highly promising EGFR/DNA probes and dual-targeting anticancer agents. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 413-424.	3.0	41
205	Theoretical Studies on DNA-Cleavage Mechanism of Copper(II) Complexes: Probing Generation of Reactive Oxygen Species. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 859-866.	2.5	14
206	Structural Diversity, Electrochemical, and DNA-Binding Properties of Copper(II) Carboxylates. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 1859-1871.	0.7	3
207	Cobalt (II) complex with novel unsymmetrical tetradentate Schiff base (ON) ligand: <i>in vitro</i> cytotoxicity studies of complex, interaction with DNA/protein, molecular docking studies, and antibacterial activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 532-549.	2.0	38
208	Photocytotoxic Copper(II) Complexes with Schiff-Base Scaffolds for Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, 4111-4120.	1.7	32
209	DNA binding, cleavage and cytotoxicity studies of three mononuclear Cu(II) chloro-complexes containing N ⁴ -S donor Schiff base ligands. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1331-1349.	1.1	22
210	Recent Advances in Copper Intercalators as Anticancer Agents. <i>Journal of Fluorescence</i> , 2018, 28, 1195-1205.	1.3	39
211	Kinetics and thermodynamic of reaction of oxydiacetate copper(II) complex with 2,2'-bipyridine and 1,10-phenanthroline in anionic and cationic surfactant solutions. <i>Journal of Molecular Liquids</i> , 2018, 264, 470-475.	2.3	2
212	Synthesis, crystal structure, DNA binding, molecular docking, cytotoxic activities and apoptosis of two copper (II) complexes constructed by 1,10-phen and semirigid bridge ligands. <i>Inorganica Chimica Acta</i> , 2018, 482, 221-228.	1.2	11
213	Development of copper(II)-diimine-iminodiacetate mixed ligand complexes as potential anticancer agents. <i>Inorganica Chimica Acta</i> , 2018, 483, 61-70.	1.2	61
214	Synthesis, <i>in vitro</i> cytotoxicity, and structure-activity relationships (SAR) of multidentate oxido vanadium(IV) complexes as anticancer agents. <i>Dalton Transactions</i> , 2018, 47, 10035-10045.	1.6	38
215	Synthesis, X-ray diffraction studies, thermal behavior and catalytic investigation of Cu(II) complexes for levulinic acid-based polyol esters. <i>Journal of Molecular Structure</i> , 2019, 1175, 566-576.	1.8	3
216	Mixed copper(II)-phenanthroline complexes induce cell death of ovarian cancer cells by evoking the unfolded protein response. <i>Metallomics</i> , 2019, 11, 1481-1489.	1.0	21

#	ARTICLE	IF	CITATIONS
217	Synthesis of New Cu Complex Based on Natural 5 <i>Z</i> ,9 <i>Z</i> -Eicosadienoic Acid: Effective Topoisomerase I Inhibitor and Cytotoxin against the Cisplatin-Resistant Cell Line. ACS Omega, 2019, 4, 17581-17587.	1.6	6
218	Synthesis of novel (E)-2-((anthracen-9-ylmethylene)amino)pyridin-3-ol and its transition metal complexes: Multispectral characterization, biological evaluation and computational studies. Journal of Molecular Liquids, 2019, 279, 177-189.	2.3	14
219	Synthesis, structural investigations and DNA cleavage properties of a new water soluble Cu(II)â€ˆiminodiacetate complex. Inorganic Chemistry Communication, 2019, 106, 48-53.	1.8	9
220	Synthesis, DNA and BSA binding, <i>in vitro</i> anti-proliferative and <i>in vivo</i> anti-angiogenic properties of some cobalt(III) Schiff base complexes. New Journal of Chemistry, 2019, 43, 11391-11407.	1.4	30
221	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,) Tj ETQq0 0 0rgBT/Overlock 10 Tf	1.7	14
222	Efficient hydrolytic cleavage of DNA and antiproliferative effect on human cancer cells by two dinuclear Cu(II) complexes containing a carbohydrazone ligand and 1,10-phenanthroline as a coligand. Journal of Biological Inorganic Chemistry, 2019, 24, 343-363.	1.1	17
223	Synthesis, characterization and DNA interaction studies of new copper complex containing pseudoephedrine hydrochloride drug. Nucleosides, Nucleotides and Nucleic Acids, 2019, 38, 680-699.	0.4	6
224	Biomolecular Interaction, Anti-Cancer and Anti-Angiogenic Properties of Cobalt(III) Schiff Base Complexes. Scientific Reports, 2019, 9, 2721.	1.6	65
225	Mixed phenoxo and azido bridged dinuclear nickel(II) and copper(II) compounds with N,N,O-donor schiff bases: Synthesis, structure, DNA binding, DFT and molecular docking study. Inorganica Chimica Acta, 2019, 484, 197-205.	1.2	18
226	DFT/TD-DFT calculation, photophysical properties, DNA/protein binding and catecholase activity of chelating ligand based trigonal bipyramidal copper(II) complexes. Journal of Molecular Structure, 2019, 1179, 558-567.	1.8	14
227	Evaluation of DNA, BSA, and HSA binding propensity of copper(II) complex with N-donor ligand 2,2'-dipyridylamine. Polyhedron, 2019, 157, 511-520.	1.0	22
228	A novel Cu(II) distorted cubane complex containing Cu ₄ O ₄ core as the first tetranuclear catalyst for temperature dependent oxidation of 3,5-di-tert-butyl catechol and in interaction with DNA & protein (BSA). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117593.	2.0	22
229	Targeting an Artificial Metal Nuclease to DNA by a Simple Chemical Modification and Its Drastic Effect on Catalysis. ACS Medicinal Chemistry Letters, 2020, 11, 286-291.	1.3	8
230	DNA/BSA interaction and <i>in vitro</i> antimicrobial studies of Mn(III) complexes bearing bidentate N, O donor Schiff bases. Journal of the Iranian Chemical Society, 2020, 17, 43-58.	1.2	8
231	Bifunctional Dinuclear Complexes Based on Iminodiacetate and 1,2-Di(4-pyridyl)ethylene: Crystal Structures, Vapochromism, and Iodine Adsorption. Crystal Growth and Design, 2020, 20, 7439-7449.	1.4	9
232	Reactivity towards DNA and protein, cellular uptake, cytotoxic activity of a mononuclear copper(II) complex of the thioflavin-T (ThT)-based derivative. Journal of Coordination Chemistry, 2020, 73, 1987-2003.	0.8	3
233	Zinc Complexes with Nitrogen Donor Ligands as Anticancer Agents. Molecules, 2020, 25, 5814.	1.7	67
234	Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of three novel butterfly-like complexes with nitrogen-containing heterocyclic ligands. Applied Organometallic Chemistry, 2020, 34, e5655.	1.7	4

#	ARTICLE	IF	CITATIONS
235	Octahedral copper(II)-diimine complexes of triethylenetetramine: effect of stereochemical fluxionality and ligand hydrophobicity on Cu(II)/Cu(I) redox, DNA binding and cleavage, cytotoxicity and apoptosis-inducing ability. Dalton Transactions, 2020, 49, 8282-8297.	1.6	36
236	Synthesis, characterization, CT-DNA binding and docking studies of novel selenated ligands and their palladium complexes. Applied Organometallic Chemistry, 2020, 34, e5634.	1.7	8
237	Synthesis, Crystal Structure, and DNA Binding Studies of the 3-(2-(2-Hydroxybenzylidene)Hydrazinyl)Quinoxalin-2(1H)-One. Crystallography Reports, 2020, 65, 72-77.	0.1	2
238	Metformin-based copper(II) complexes: synthesis, structural characterization and mimicking activity of catechol oxidase and phenoxazinone synthase. Journal of Materials Science, 2020, 55, 6457-6481.	1.7	25
239	Tridentate Schiff base and 4,4'-bipyridine coordinated di/polynuclear Cu (II) complexes: Synthesis, crystal structure, DNA/protein binding and catecholase activity. Applied Organometallic Chemistry, 2020, 34, e5424.	1.7	14
240	Synthesis, characterization and antibacterial activity studies of new 2-pyrral-L-amino acid Schiff base palladium (II) complexes. Chemical Papers, 2020, 74, 3705-3715.	1.0	17
241	Synthesis and Characterization of Ni(II)/Zn(II) Metal Complexes Derived from Schiff Base and <i>ortho</i> -Phenylenediamine: <i>in vitro</i> DNA Binding, Molecular Modeling and RBC Hemolysis. ChemistrySelect, 2020, 5, 610-618.	0.7	13
242	Nuclease and anticancer activity of antioxidant conjugated terpyridine metal complexes. Inorganica Chimica Acta, 2020, 507, 119596.	1.2	13
243	Experimental Sensing and DFT Mechanism of Zn(II) Complex for Highly Sensitive and Selective Detection of Acetone. Crystals, 2020, 10, 324.	1.0	2
244	Intercalative DNA binding, protein binding, antibacterial activities and cytotoxicity studies of a mononuclear copper(II) complex. Inorganica Chimica Acta, 2021, 514, 119961.	1.2	17
245	Octahedral Copper(II) Carboxylates with 1,10-Phenanthroline: Synthesis, Structural Characterization, DNA-Binding and Anti-Fungal Properties. Journal of Chemical Crystallography, 2021, 51, 418-431.	0.5	3
246	Identification of cytotoxic copper(II) complexes with phenanthroline and quinoline, quinoxaline or quinoxaline-derived mixed ligands. Polyhedron, 2021, 194, 114886.	1.0	10
247	One-pot crystallization of two 1,4-cyclohexanedicarboxylate-based tetranuclear Cu(II) compounds and their DNA binding affinities. CrystEngComm, 2021, 23, 1091-1098.	1.3	8
248	Synthesis, spectroscopic characterization, crystal structure and theoretical investigation of two azo-palladium (II) complexes derived from substituted (1-phenylazo)-2-naphthol. Transition Metal Chemistry, 2021, 46, 91-101.	0.7	5
249	Synthesis, DNA-Binding, Anticancer Evaluation, and Molecular Docking Studies of Bishomoleptic and Trisheteroleptic Ru-Diimine Complexes Bearing 2-(2-Pyridyl)-quinoxaline. Bioinorganic Chemistry and Applications, 2021, 2021, 1-16.	1.8	5
250	DNA-Binding and Cytotoxicity of Copper(I) Complexes Containing Functionalized Dipyriddyphenazine Ligands. Pharmaceutics, 2021, 13, 764.	2.0	14
251	Unraveling the binding mechanism of an Oxovanadium(IV) Curcumin complex on albumin, DNA and DNA gyrase by <i>in vitro</i> and <i>in silico</i> studies and evaluation of its hemocompatibility. Journal of Inorganic Biochemistry, 2021, 221, 111402.	1.5	6
252	Synthesis, structural, and DFT studies of mixed ligand copper(II) malonates. Journal of Chemical Sciences, 2021, 133, 1.	0.7	0

#	ARTICLE	IF	CITATIONS
253	A mononuclear PdII complex with Naphcon; crystal structure, experimental and computational studies of the interaction with DNA/BSA and evaluation of anticancer activity. <i>Polyhedron</i> , 2021, 206, 115333.	1.0	10
254	Synthesis, structural characterization, CT-DNA interaction study and antithrombotic activity of new ortho-vanillin-based chiral (Se,N,O) donor ligands and their Pd complexes. <i>Inorganica Chimica Acta</i> , 2021, 528, 120609.	1.2	2
255	(2,9-Dimethyl-1,10-phenanthroline- η^2 N,N ϵ^2)(4-hydroxybenzoato- η^2 O,O ϵ^2)(nitrato- η^1 O)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1479-m1479.	0.2	2
256	<i>catena</i> -Poly[[bis(5-chloro-2-nitrobenzoato)copper(II)]-bis($\frac{1}{4}$ -5-chloro-2-nitrobenzoato)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m211-m212.	0.2	2
257	Biologically Important Schiff Bases and Their Transition Metal Complexes. <i>Mapana Journal of Sciences</i> , 2012, 11, 57-72.	0.0	4
258	Effects of Quercetin on DNA Damage Induced by Copper Ion. <i>International Journal of Pharmacology</i> , 2006, 3, 19-26.	0.1	23
259	Thermodynamics And Electrochemical Characterization Of Core-shell Type Gold-coated Superparamagnetic Iron Oxide Nanoparticles. <i>Advanced Materials Letters</i> , 2014, 5, 315-324.	0.3	22
260	Evaluation of the Anticancer and DNA-Binding Characteristics of Dichloro(diimine)zinc(II) Complexes. <i>Chemistry</i> , 2021, 3, 1178-1188.	0.9	3
261	Tetrakis($\frac{1}{4}$ -2-chloro-4-nitrobenzoato- η^2 O,O ϵ^2)bis[aquacopper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m82-m83.	0.2	0
262	Structure elucidation, <i>in vitro</i> binding studies and ROS-dependent anti-cancer activity of Cu(II) and Zn(II) phthaloylglycinate(phen) complexes against MDA-MB-231 cells. <i>Metallomics</i> , 2021, 13, .	1.0	8
263	Synthesis and characterization of a mononuclear nickel(II) complex with N,O-donor ligand: Its DNA/HSA protein binding properties and tumor suppressive function. <i>Journal of Molecular Structure</i> , 2022, 1250, 131687.	1.8	4
264	Molecular aspect on the interaction of zinc-ofloxacin complex with deoxyribonucleic acid, proposed model for binding and cytotoxicity evaluation. <i>Research in Pharmaceutical Sciences</i> , 2014, 9, 367-83.	0.6	11
265	Influence of co ϵ ligand on the biological properties of Schiff base metal complexes: Synthesis, characterization, cytotoxicity, and antimicrobial studies. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	9
266	DNA-binding, cleavage, antibacterial and <i>in vitro</i> anticancer activity of copper(II) mixed ligand complexes of 2-(((6-chloro-1H-benzo[d]imidazol-2-yl)methyl)amino)acetic acid and polypyridyl ligands. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1309-1321.	2.0	3
267	Anticancer, Antibacterial, Antioxidant, and DNA-Binding Study of Metal-Phenalenyl Complexes. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-15.	1.8	6
268	Adsorption studies of a multi-metal system within acetate media, with a view to sustainable phosphate recovery from sewage sludge. <i>Journal of Environmental Management</i> , 2022, 324, 116279.	3.8	4
269	Comprehensive Assessment of Biomolecular Interactions of Morpholine-Based Mixed Ligand Cu(II) and Zn(II) Complexes of 2,2 ϵ^2 -Bipyridine as Potential Anticancer and SARS-CoV-2 Agents: A Synergistic Experimental and Structure-Based Virtual Screening. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-29.	1.8	0
270	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. <i>Biomolecules</i> , 2022, 12, 1883.	1.8	0

#	ARTICLE	IF	CITATIONS
271	Crystal structure of [2-([2-(dimethylamino)ethyl]imino)methyl)phenolato](1,10-phenanthroline) ₂ Tj ETQqO Communications, 2023, 79, 259-263.	0.2	1
272	Synthesis, DNA binding and biological evaluation of benzimidazole Schiff base ligands and their metal complexes. RSC Advances, 2023, 13, 11982-11999.	1.7	4