

Sartaj Tabassum

List of Publications by Year in descending order

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138
papers

3,761
citations

109137

35
h-index

161609

54
g-index

139
all docs

139
docs citations

139
times ranked

3950
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical binding profile with ct-DNA and cytotoxic studies of a modulated nanoconjugate of umbelliferone cobalt oxide loaded on graphene oxide (GO) as drug carrier. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4558-4569.	2.0	7
2	Deciphering the effect of hydrophobicity on protein binding interaction in cobalt(II) complexes by multispectroscopic and computational methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 7381-7393.	2.0	3
3	Metal complexes of NSAIDs as potent anti-tumor chemotherapeutics: Mechanistic insights into cytotoxic activity via multiple pathways primarily by inhibition of COX-1 and COX-2 enzymes. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214316.	9.5	11
4	Synthesis, structural characterization, in vitro comparative DNA/RNA binding, and computational studies of half-sandwich Ru (II)(η^6 -p-cymene) aminoquinoline complex. <i>Polyhedron</i> , 2022, 213, 115618.	1.0	3
5	Comprehensive biological {DNA/RNA binding profile, cleavage & cytotoxicity activity} of structurally well-characterized chromone-appended Cu(II)(L1-3)(phen) potential anticancer drug candidates. <i>Polyhedron</i> , 2022, 214, 115638.	1.0	10
6	A chromone-based colorimetric fluorescence sensor for selective detection of Cu ²⁺ ions, and its application for in-situ imaging. <i>Journal of Molecular Structure</i> , 2022, 1256, 132533.	1.8	15
7	Chromone-Appended Zn(II) tRNA-Targeted Potential Anticancer Chemotherapeutic Agent: Structural Details, <i>in vitro</i> ct-DNA/tRNA Binding, Cytotoxicity Studies And Antioxidant Activity. <i>ChemistrySelect</i> , 2022, 7, .	0.7	5
8	ROS -mediated anticancer response of potent copper(II) drug entities derived from S, O and N, N chelating donor scaffold: Single X-ray crystal diffraction and spectroscopic studies. <i>Journal of Molecular Structure</i> , 2022, , 132989.	1.8	0
9	Functionalized graphene oxide loaded GATPT as rationally designed vehicle for cancer-targeted drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103281.	1.4	2
10	Synthesis, Structure Elucidation by Multi-spectroscopic Techniques and Single-crystal X-ray Diffraction of Promising Fluoro/Bromo-substituted-chromone(bpy)copper(II) Anticancer Drug Entities. <i>Inorganica Chimica Acta</i> , 2022, , 120967.	1.2	4
11	Comprehensive structural {single crystal X-ray diffraction, spectroscopic & DFT computational simulation} and biological {in vitro DNA binding & antibacterial} studies of polymeric copper(λ - π)-based imidazole drug entity. <i>Inorganica Chimica Acta</i> , 2022, 538, 120978.	1.2	1
12	α -Turn-on benzophenone based fluorescence and colorimetric sensor for the selective detection of Fe ²⁺ in aqueous media: Validation of sensing mechanism by spectroscopic and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119156.	2.0	29
13	Organometallic ruthenium (η^6 -p-cymene) complexes interfering with quorum sensing and biofilm formation: an anti-infective approach to combat multidrug-resistance in bacteria. <i>New Journal of Chemistry</i> , 2021, 45, 2184-2199.	1.4	5
14	Biochemical pathways of copper complexes: progress over the past 5 years. <i>Drug Discovery Today</i> , 2021, 26, 1086-1096.	3.2	47
15	Structural characterization, theoretical investigation and sensing activity of a novel Cu(II)-based 1D metal coordination polymer. <i>Inorganic Chemistry Communication</i> , 2021, 126, 108473.	1.8	6
16	Multi-Component One-Pot Assisted Synthesis, Anti-bacterial Capabilities, and Scanning Electron Microscopy of Novel Corticosteroid Thiopyran. <i>Current Organic Synthesis</i> , 2021, 18, 411-417.	0.7	2
17	Elucidating the interaction of enantiomeric Cu(II) complexes with DNA, RNA and HSA: A comparative study. <i>Polyhedron</i> , 2021, 210, 115501.	1.0	5
18	Advancement of metal compounds as therapeutic and diagnostic metallodrugs: Current frontiers and future perspectives. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214104.	9.5	59

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19	Design, synthesis, ligand's scaffold variation and structure elucidation of Cu(II) complexes; In vitro DNA binding, morphological studies and their anticancer activity. <i>Polyhedron</i> , 2021, 209, 115450.	1.0	6
20	A novel biocompatible formate bridged 1D-Cu(II) coordination polymer induces apoptosis selectively in human lung adenocarcinoma (A549) cells. <i>Dalton Transactions</i> , 2021, 50, 2253-2267.	1.6	5
21	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
22	Interaction of Carrier Protein with Potential Metallic Drug Candidate N-Glycoside α -GATPT: Validation by Multi-Spectroscopic and Molecular Docking Approaches. <i>Molecules</i> , 2021, 26, 6641.	1.7	1
23	Synthesis and characterization of heterobimetallic Sn(IV)-Cu(I)/Zn(II) complexes: DFT studies, cleavage potential and cytotoxic activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1130-1142.	2.0	10
24	Evaluation of cytotoxic potential of structurally well-characterized RNA targeted ionic non-steroidal anti-inflammatory (NSAID) Cu(II) & Zn(II) DACH-mefenamato drug conjugates against human cancer cell lines. <i>RSC Advances</i> , 2020, 10, 166-178.	1.7	29
25	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}. <i>Bioorganic Chemistry</i> , 2020, 94, 103427.	2.0	32
26	Water soluble ionic Co(II), Cu(II) and Zn(II) diimine-glycinate complexes targeted to tRNA: structural description, <i>in vitro</i> comparative binding, cleavage and cytotoxic studies towards chemoresistant prostate cancer cells. <i>Dalton Transactions</i> , 2020, 49, 16830-16848.	1.6	24
27	Structure of Imidazolium-N-phthaloylglycinate Salt Hydrate: Combined Experimental and Quantum Chemical Calculations Studies. <i>Crystals</i> , 2020, 10, 91.	1.0	1
28	Structural, Spectroscopic, and Chemical Bonding Analysis of Zn(II) Complex [Zn(sal)](H ₂ O): Combined Experimental and Theoretical (NBO, QTAIM, and ELF) Investigation. <i>Crystals</i> , 2020, 10, 259.	1.0	13
29	Synthesis of homo- and hetero-metallic cobalt and zinc nano oxide particles by a calcination process using coordination compounds: their characterization, DFT calculations and capacitance behavioural study. <i>RSC Advances</i> , 2020, 10, 13126-13138.	1.7	4
30	Multispectroscopic insight, morphological analysis and molecular docking studies of Cu(I)-based chemotherapeutic drug entity with human serum albumin (HSA) and bovine serum albumin (BSA). <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3290-3304.	2.0	39
31	Clinical developments of antitumor polymer therapeutics. <i>RSC Advances</i> , 2019, 9, 24699-24721.	1.7	47
32	Coumarin Derived Turn-on-Fluorescent Sensor for Selective Detection of Cadmium (II) Ion: Spectroscopic Studies and Validation of Sensing Mechanism by DFT Calculations. <i>Journal of Fluorescence</i> , 2019, 29, 1029-1037.	1.3	26
33	Fluorescent delivery vehicle containing cobalt oxide-umbelliferone nanoconjugate: DNA/protein interaction studies and anticancer activity on M77 cancer cell line. <i>RSC Advances</i> , 2019, 9, 26503-26518.	1.7	7
34	Synthesis, structural investigations and DNA cleavage properties of a new water soluble Cu(II)-iminodiacetate complex. <i>Inorganic Chemistry Communication</i> , 2019, 106, 48-53.	1.8	9
35	Catalytic induced morphological transformation of porous ZnO to ZnO nanorods by Sn(IV) and their effect on photocatalytic reduction of methylene blue and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117101.	2.0	2
36	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,). <i>TJ ETQq0 0 0 r g B T / O v e r l o c k 1 0 T f</i>	1.7	14

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37	Evaluation of cytotoxic activity and genotoxicity of structurally well characterized potent cobalt(II) phenanthroline-based antitumor drug entities: An in vitro and in vivo approach. <i>Bioorganic Chemistry</i> , 2019, 88, 102963.	2.0	12
38	Development and future prospects of selective organometallic compounds as anticancer drug candidates exhibiting novel modes of action. <i>European Journal of Medicinal Chemistry</i> , 2019, 175, 269-286.	2.6	52
39	Design and synthesis of a DNA intercalative half-sandwich organoruthenium(II)-chromone complex: cytotoxicity evaluation and topoisomerase I inhibition assay. <i>New Journal of Chemistry</i> , 2019, 43, 5475-5487.	1.4	22
40	Recent advances in metallodrug-like molecules targeting non-coding RNAs in cancer chemotherapy. <i>Coordination Chemistry Reviews</i> , 2019, 387, 47-59.	9.5	30
41	Modulation of amyloid fibril formation of plasma protein by saffron constituent crocins: Spectroscopic and imaging analyses. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 529-535.	3.6	12
42	Cadmium-induced neurodegeneration and activation of noncanonical sonic hedgehog pathway in rat cerebellum. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22274.	1.4	6
43	Evaluation of (E)-3-(p-cymene) ruthenium diclofenac complex as anticancer chemotherapeutic agent: interaction with biomolecules, cytotoxicity assays. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3905-3913.	2.0	10
44	Carbohydrate-based heteronuclear complexes as topoisomerase I inhibitor: approach toward anticancer chemotherapeutics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1494-1510.	2.0	15
45	Tetranuclear cubane Cu ₄ O ₄ complexes as prospective anticancer agents: Design, synthesis, structural elucidation, magnetism, computational and cytotoxicity studies. <i>Inorganica Chimica Acta</i> , 2018, 473, 121-132.	1.2	16
46	Single X-ray crystal structure, DFT studies and topoisomerase I inhibition activity of a tailored ionic Ag(I)-nalidixic acid-piperazinium drug entity specific for pancreatic cancer cells. <i>New Journal of Chemistry</i> , 2018, 42, 506-519.	1.4	20
47	New Ionic Cu(II) and Co(II) DACH-Flufenamate Conjugate Complexes: Spectroscopic Characterization, Single X-Ray Studies and Cytotoxic Activity on Human Cancer Cell Lines. <i>ChemistrySelect</i> , 2018, 3, 12764-12772.	0.7	11
48	A zwitterionic Zn(II) benzothiazole nanohybrid conjugate as hydrolytic DNA cleavage agent. <i>Inorganic Chemistry Communication</i> , 2018, 93, 69-72.	1.8	9
49	¹¹⁹ Ag-Carboline Silver Compound Binding Studies with Human Serum Albumin: A Comprehensive Multispectroscopic Analysis and Molecular Modeling Study. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-11.	1.8	10
50	Cu II -Na I heteronuclear complex as anticancer entity against human breast cancer cell lines: DNA binding, cleavage, and Computational studies. <i>Inorganica Chimica Acta</i> , 2018, 479, 229-239.	1.2	14
51	Synthesis of chiral R/S-pseudo-peptide-based Cu(II) & Zn(II) complexes for use in targeted delivery for antitumor therapy: enantiomeric discrimination with CT-DNA and pBR322 DNA hydrolytic cleavage mechanism. <i>RSC Advances</i> , 2017, 7, 6587-6597.	1.7	25
52	Synthesis and structure elucidation of new open cubane tetranuclear [Cu II ₄] Cluster: Evaluation of the DNA/HSA interaction and pBR322 DNA cleavage pathway and cytotoxicity. <i>Inorganica Chimica Acta</i> , 2017, 463, 142-155.	1.2	10
53	Loss of DUSP3 activity radiosensitizes human tumor cell lines via attenuation of DNA repair pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1879-1894.	1.1	11
54	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

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55	Chiral transition metal complexes: Synthetic approach and biological applications. <i>Inorganica Chimica Acta</i> , 2017, 458, 8-27.	1.2	23
56	Biological evaluation of dinuclear copper complex/dichloroacetic acid cocrystal against human breast cancer: design, synthesis, characterization, DFT studies and cytotoxicity assays. <i>RSC Advances</i> , 2017, 7, 47920-47932.	1.7	38
57	Coumarin centered copper(II) complex with appended-imidazole as cancer chemotherapeutic agents against lung cancer: molecular insight via DFT-based vibrational analysis. <i>RSC Advances</i> , 2017, 7, 36056-36071.	1.7	45
58	Human Topoisomerase I mediated cytotoxicity profile of l-valine-quercetin diorganotin(IV) antitumor drug entities. <i>Journal of Organometallic Chemistry</i> , 2016, 823, 23-33.	0.8	19
59	Synthesis and crystal structure determination of cobalt(II) mixed-ligand complex containing 1,10-phenanthroline and 5-(2-carboxybenzyloxy)isophthalic acid: Their biological evaluation viz. DNA/protein binding profile, pBR322 DNA cleavage activity. <i>Inorganica Chimica Acta</i> , 2016, 451, 216-226.	1.2	4
60	A comparative analyses of bioactive Cu(II) complexes using Hirshfeld surface and density functional theory (DFT) methods: DNA binding studies, cleavage and antibiofilm activities. <i>Inorganica Chimica Acta</i> , 2016, 453, 193-201.	1.2	20
61	Synthesis and crystal structure elucidation of new copper(II)-based chemotherapeutic agent coupled with 1,2-DACH and orthovanillin: Validated by in vitro DNA/HSA binding profile and pBR322 cleavage pathway. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 318-327.	1.7	15
62	Current and future potential of metallo drugs: Revisiting DNA-binding of metal containing molecules and their diverse mechanism of action. <i>Inorganica Chimica Acta</i> , 2016, 444, 1-22.	1.2	79
63	A dinuclear copper(II) complex with piperazine bridge ligand as a potential anticancer agent: DFT computation and biological evaluation. <i>Inorganica Chimica Acta</i> , 2016, 445, 167-178.	1.2	18
64	Synthesis and spectroscopic characterization of diorganotin(IV) complexes of $N\alpha^2$ -(4-hydroxypent-3-en-2-ylidene)isonicotinohydrazide: chemotherapeutic potential validation by in vitro interaction studies with DNA/HSA, DFT, molecular docking and cytotoxic activity. <i>RSC Advances</i> , 2015, 5, 50673-50690.	1.7	66
65	Synthesis and crystal structure determination of a mononuclear cobalt(II) complex derived from 4-(pyridin-4-ylmethoxy)-benzoic acid: evaluation of the DNA/protein interaction and photo-induced pBR322 DNA cleavage. <i>RSC Advances</i> , 2015, 5, 35843-35851.	1.7	13
66	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. <i>Dalton Transactions</i> , 2015, 44, 10330-10342.	1.6	87
67	A multifunctional molecular entity $Cu^{II} \cdots Sn^{IV}$ heterobimetallic complex as a potential cancer chemotherapeutic agent: DNA binding/cleavage, SOD mimetic, topoisomerase II \pm inhibitory and in vitro cytotoxic activities. <i>RSC Advances</i> , 2015, 5, 47439-47450.	1.7	31
68	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 Δ -enantiomers by DFT and molecular docking studies. <i>RSC Advances</i> , 2015, 5, 72121-72131.	1.7	20
69	Nuclear blebbing of biologically active organoselenium compound towards human cervical cancer cell (HeLa): In vitro DNA/HSA binding, cleavage and cell imaging studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 876-888.	2.6	61
70	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
71	New modulated design, docking and synthesis of carbohydrate-conjugate heterobimetallic $Cu^{II} \cdots Sn^{IV}$ 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
72	Synthesis and characterization of Cu(II)-based anticancer chemotherapeutic agent targeting topoisomerase II \pm : In vitro DNA binding, pBR322 cleavage, molecular docking studies and cytotoxicity against human cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 509-523.	2.6	51

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73	Heterobimetallic o-vanillin functionalized complexes: In vitro DNA binding validation, cleavage activity and molecular docking studies of Cu(II)-Sn(IV) analogs. <i>Journal of Organometallic Chemistry</i> , 2014, 752, 17-24.	0.8	13
74	Carbohydrate linked organotin(IV) complexes as human topoisomerase II \pm inhibitor and their antiproliferative effects against the human carcinoma cell line. <i>Dalton Transactions</i> , 2014, 43, 2534-2548.	1.6	45
75	Synthesis and structure elucidation of a copper(II) Schiff-base complex: In vitro DNA binding, pBR322 plasmid cleavage and HSA binding studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 321-331.	1.7	66
76	Investigation of diorganotin(IV) complexes: Synthesis, characterization, in vitro DNA binding studies and cytotoxicity assessment of di-n-butyltin(IV) complex. <i>Inorganica Chimica Acta</i> , 2014, 423, 204-214.	1.2	18
77	Organo-tin antitumor compounds: Their present status in drug development and future perspectives. <i>Inorganica Chimica Acta</i> , 2014, 423, 26-37.	1.2	95
78	Synthesis, structure elucidation and DFT studies of a new coumarin-derived Zn(II) complex: in vitro DNA/HSA binding profile and pBR322 cleavage pathway. <i>RSC Advances</i> , 2014, 4, 43504-43515.	1.7	11
79	Synthesis and crystal structure determination of copper(II)-complex: In vitro DNA and HSA binding, pBR322 plasmid cleavage, cell imaging and cytotoxic studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 141-154.	2.6	56
80	Exploration of glycosylated-organotin(IV) complexes as anticancer drug candidates. <i>Inorganica Chimica Acta</i> , 2014, 423, 38-45.	1.2	15
81	DNA binding, docking studies, artificial nuclease activity and in vitro cytotoxicity of newly synthesized steroidal 1H-pyrimidines. <i>Comptes Rendus Chimie</i> , 2014, 17, 359-369.	0.2	8
82	Organometallic ruthenium(II) scorpionate as topo II \pm inhibitor; in vitro binding studies with DNA, HPLC analysis and its anticancer activity. <i>Journal of Organometallic Chemistry</i> , 2014, 771, 47-58.	0.8	39
83	New modulated design and synthesis of quercetin-Cu(II)/Zn(II)-Sn(IV) scaffold as anticancer agents: in vitro DNA binding profile, DNA cleavage pathway and Topo-I activity. <i>Dalton Transactions</i> , 2013, 42, 10029.	1.6	84
84	Design and synthesis of (S)- and (R)-enantiomers of [4-(2-hydroxy-1-phenylethylimino)pent-2-yl]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. <i>Dalton Transactions</i> , 2013, 42, 3390-3401.	1.6	35
85	Chiral heterobimetallic complexes targeting human DNA-topoisomerase II \pm . <i>Dalton Transactions</i> , 2013, 42, 16749.	1.6	58
86	Synthesis and mechanistic insight of glycosylated Cu(II)/Ni(II)-Sn(IV) heterobimetallic DNA binding agents: Validation of a specific Cu(II)-Sn(IV) chemotherapeutic agent for human leukemic cell line K-562. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 226-234.	0.8	10
87	Mixed-ligand Cu(II)-vanillin Schiff base complexes; effect of coligands on their DNA binding, DNA cleavage, SOD mimetic and anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 216-232.	2.6	120
88	A Chloro-Bridged Heterobimetallic (Iridium-Arene)ruthenium-Organotin Complex as an Efficient Topoisomerase II \pm Inhibitor. <i>Organometallics</i> , 2013, 32, 2546-2551.	1.1	41
89	Synthesis and characterization of copper(II) and zinc(II)-based potential chemotherapeutic compounds: Their biological evaluation viz. DNA binding profile, cleavage and antimicrobial activity. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 308-316.	2.6	110
90	DNA binding and cleavage studies of new sulfasalazine-derived dipeptide Zn(II) complex: Validation for specific recognition with 5'-thymine-3'-phosphate. <i>Journal of Luminescence</i> , 2012, 132, 3058-3065.	1.5	20

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91	Synthesis of heterobimetallic complexes: In vitro DNA binding, cleavage and antimicrobial studies. Journal of Photochemistry and Photobiology B: Biology, 2012, 114, 108-118.	1.7	56
92	Synthesis, characterization and interaction studies of copper based drug with Human Serum Albumin (HSA): Spectroscopic and molecular docking investigations. Journal of Photochemistry and Photobiology B: Biology, 2012, 114, 132-139.	1.7	167
93	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
94	Interaction and photo-induced cleavage studies of a copper based chemotherapeutic drug with human serum albumin: spectroscopic and molecular docking study. Molecular BioSystems, 2012, 8, 2424.	2.9	113
95	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. Metallomics, 2012, 4, 205-217.	1.0	28
96	Chiral nano heterobimetallic DNA receptors: In vitro binding studies, cleavage activity and DNA condensation studies (TEM and AFM imaging). Journal of Organometallic Chemistry, 2012, 713, 123-133.	0.8	9
97	Enantiomeric Specificity of Biologically Significant Cu(II) and Zn(II) Chromone Complexes Towards DNA. Chirality, 2012, 24, 977-986.	1.3	23
98	Molecular drug design, synthesis and structure elucidation of a new specific target peptide based metallo drug for cancer chemotherapy as topoisomerase I inhibitor. Dalton Transactions, 2012, 41, 4955.	1.6	73
99	New modulated design and synthesis of chiral Cu(I)/Sn(IV) bimetallic potential anticancer drug entity: In vitro DNA binding and pBR322 DNA cleavage activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 90, 208-217.	2.0	11
100	Synthesis of Aryl-1,2,4,5-tetrazinane-3-thiones, in vitro DNA binding studies, nuclease activity and its antimicrobial activity. Journal of Molecular Structure, 2012, 1020, 33-40.	1.8	12
101	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. Journal of Photochemistry and Photobiology B: Biology, 2011, 105, 167-174.	1.7	21
102	Carbohydrate-conjugate heterobimetallic complexes: synthesis, DNA binding studies, artificial nuclease activity and in vitro cytotoxicity. Carbohydrate Research, 2011, 346, 2886-2895.	1.1	21
103	Synthesis and enantiopreferential DNA-binding profile of late 3d transition metal (R)- and (S)-enantiomeric complexes derived from (N)- and (N)-bis(1-benzyl-2-ethoxyethane): Validation of (R)-enantiomer of copper(II) complex as a human topoisomerase II inhibitor. Chirality, 2011, 23, 557-567.	1.3	18
104	Synthesis and characterization of glycoconjugate tin(IV) complexes: In vitro DNA binding studies, cytotoxicity, and cell death. Journal of Organometallic Chemistry, 2011, 696, 1600-1608.	0.8	26
105	Interaction of a ruthenium(II)-chalcone complex with double stranded DNA: Spectroscopic, molecular docking and nuclease properties. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 220, 145-152.	2.0	63
106	Cyclic Voltammetry-An Electrochemical Approach to Study Metal-based Potential Antitumor Drug-DNA Interaction. Current Analytical Chemistry, 2011, 7, 71-79.	0.6	17
107	Synthesis and Characterization of Glucose-Bis(pyrazole)-Cu(II)/Ni(II) Complexes and Their in Vitro DNA Binding Studies. Chemical and Pharmaceutical Bulletin, 2010, 58, 318-325.	0.6	3
108	Synthesis of carbohydrate-conjugate heterobimetallic Cu(I)-Sn(IV) and Zn(II)-Sn(IV) complexes; their interactions with CT DNA and nucleotides; DNA cleavage, in-vitro cytotoxicity. European Journal of Medicinal Chemistry, 2010, 45, 4797-4806.	2.6	31

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109	Synthesis, structural and spectroscopic characterization and biomimetic properties of new copper, manganese, zinc complexes: Identification of possible superoxide-dismutase mimics bearing hydroxyl radical generating/scavenging abilities. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 820-830.	1.5	41
110	DNA interaction studies of new nano metal based anticancer agent: validation by spectroscopic methods. <i>Nanotechnology</i> , 2010, 21, 195102.	1.3	29
111	Synthesis of new piperazine derived Cu(II)/Zn(II) metal complexes, their DNA binding studies, electrochemistry and anti-microbial activity: Validation for specific recognition of Zn(II) complex to DNA helix by interaction with thymine base. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 1026-1033.	2.0	61
112	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
113	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
114	Identification of a Potent Inhibitor of Human Dual-Specific Phosphatase, VHR, from Computer-Aided and NMR-Based Screening to Cellular Effects. <i>ChemBioChem</i> , 2007, 8, 2092-2099.	1.3	30
115	Chemical and biotechnological developments in organotin cancer chemotherapy. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1761-1766.	0.8	188
116	New homodi-and heterotrinnuclear metal complexes of Schiff base compartmental ligand: interaction studies of copper complexes with calf thymus DNA. <i>Open Chemistry</i> , 2006, 4, 502-522.	1.0	17
117	Synthesis of O,O Ethane Bridged Bis-copper(II) Macrocycles. Selective Enzyme Model for Catecholase Activity. <i>Transition Metal Chemistry</i> , 2006, 31, 237-245.	0.7	1
118	Cu(II) complexes as receptor molecules for development of new chloride sensors. <i>Electrochimica Acta</i> , 2006, 52, 408-414.	2.6	16
119	Synthesis and Characterization of a New Macrocyclic Copper(II) Complex with an N-Glycosidic Pendant Arm: in vitro Cytotoxicity and Binding Studies with Calf-Thymus DNA. <i>Chemistry and Biodiversity</i> , 2006, 3, 312-325.	1.0	19
120	New modulated metallic macrocycles: Electrochemistry and their interaction with calf thymus DNA. <i>Acta Biomaterialia</i> , 2005, 1, 677-689.	4.1	57
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