

Bhupesh S Bhatt

List of Publications by Year in descending order

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50
papers

693
citations

516681

16
h-index

642715

23
g-index

50
all docs

50
docs citations

50
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial, DNA interaction and superoxide dismutase activity of drug based copper(II) coordination compounds. <i>Polyhedron</i> , 2010, 29, 3238-3245.	2.2	45
2	Fluorescence and absorption studies of DNA-Pd(II) complex interaction: Synthesis, spectroanalytical investigations and biological activities. <i>Luminescence</i> , 2019, 34, 113-124.	2.9	45
3	Heteroleptic N,N-donor pyrazole based Pt(II) and Pd(II) complexes: DNA binding, molecular docking and cytotoxicity studies. <i>Inorganica Chimica Acta</i> , 2019, 498, 119130.	2.4	37
4	Synthesis and evaluation of gold(III) complexes as efficient DNA binders and cytotoxic agents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 20-27.	3.9	30
5	Synthesis, characterization, antibacterial activity, SOD mimic and interaction with DNA of drug based copper(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 763-770.	3.9	29
6	Topoisomerase Inhibition, Nucleolytic and Electrolytic Contribution on DNA Binding Activity Exerted by Biological Active Analogue of Coordination Compounds. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1949-1968.	2.9	26
7	Synthesis, characterization and biological activities of imidazo[1,2-a]pyridine based gold(III) metal complexes. <i>Heliyon</i> , 2019, 5, e01968.	3.2	25
8	DNA binding, cytotoxicity and DNA cleavage promoted by gold(III) complexes. <i>Inorganic Chemistry Communication</i> , 2013, 29, 190-193.	3.9	23
9	Spectroscopic Study of DNA Hydrolysis, DNA Intercalative, and Electrostatic Interaction Activity Exerted by Drug Based Coordination Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 152-162.	1.2	22
10	DNA interaction, cytotoxicity and molecular structure of cobalt complex of 4-amino-N-(6-chloropyridazin-3-yl)benzene sulfonamide in the presence of secondary ligand pyridine. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5235.	3.5	22
11	Square planar palladium(II) complexes of bipyridines: synthesis, characterization, and biological studies. <i>Journal of Coordination Chemistry</i> , 2012, 65, 3833-3844.	2.2	21
12	Interaction of palladium(II) coordination compounds with calf thymus DNA and their antibacterial activity. <i>Inorganic Chemistry Communication</i> , 2012, 21, 61-64.	3.9	21
13	Nucleic acid interaction and antibacterial behaviours of a ternary palladium(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 508-514.	3.9	21
14	Synthesis, characterization and biological applications of some substituted pyrazoline based palladium (II) compounds. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4523.	3.5	20
15	Role of metal Cu(II) and Ag(I) on molecular structure of 4-amino-N-(2, 6-dimethoxypyrimidin-4-yl) benzenesulfonamide in presence of 3-methyl pyridine: Synthesis, spectral, crystallographic and DNA interaction studies. <i>Polyhedron</i> , 2020, 188, 114696.	2.2	20
16	Synthesis, characterization, antibacterial activity and DNA interaction studies of drug-based mixed ligand copper(II) complexes with terpyridines. <i>Medicinal Chemistry Research</i> , 2012, 21, 2723-2733.	2.4	18
17	Synthesis, characterization, structural-activity relationship and biomolecular interaction studies of heteroleptic Pd(II) complexes with acetyl pyridine scaffold. <i>Journal of Molecular Structure</i> , 2020, 1221, 128802.	3.6	18
18	Synthesis, spectral investigation and biological interphase of drug-based cytotoxic square pyramidal coordination compounds. <i>Applied Organometallic Chemistry</i> , 2012, 26, 217-224.	3.5	17

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19	Biological activities of pyrazoline-indole based Re(I) carbonyls: DNA interaction, antibacterial, anticancer, ROS production, lipid peroxidation, in vivo and in vitro cytotoxicity studies. <i>Chemico-Biological Interactions</i> , 2020, 330, 109231.	4.0	16
20	Single crystal, DNA interaction and cytotoxicity studies of rhenium(I) organometallic compounds. <i>Journal of Molecular Structure</i> , 2020, 1200, 127068.	3.6	15
21	Half Sandwich Rhodium(III) and Iridium(III) Complexes as Cytotoxic and Metallonuclease Agents. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 556-569.	2.9	14
22	Thermal, spectral, and thermodynamic studies for evaluation of calf thymus DNA interaction activity of some copper(II) complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 55-64.	3.6	13
23	DNA interaction, anticancer, antibacterial, ROS and lipid peroxidation studies of quinoxaline based organometallic Re(I) carbonyls. <i>Journal of Molecular Structure</i> , 2021, 1240, 130529.	3.6	13
24	Cell apoptosis induced by ciprofloxacin based Cu(II) complexes: cytotoxicity, SOD mimic and antibacterial studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4555-4562.	3.5	12
25	Coordination behavior of succinylsulfathiazole " Crystal structure of [Cu(SST).(Pyridine) ₃ .H ₂ O] _n , DNA interaction and cytotoxic studies. <i>Journal of Molecular Structure</i> , 2021, 1225, 129262.	3.6	12
26	Effect of Substituents on the Biological Activities of Piano Stool η^5 -Cyclopentadienyl Rh(III) and Ir(III) Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2749-2758.	3.7	11
27	Spectroscopic and electrochemical study for evaluating DNA interaction activity of 4-(3-chlorophenyl)-6-(pyridin-2-yl)pyrimidin-2-amine based piano stool Cp* Rh (III) and Ir (III) complexes. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5152.	3.5	10
28	Fluorescence and Absorption Titrations of Bio-relevant Imidazole Based Organometallic Pd(II) Complexes with DNA: Synthesis, Characterization, DNA Interaction, Antimicrobial, Cytotoxic and Molecular Docking Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 2262-2273.	3.7	10
29	Bipyrazole-based palladium(II) complexes as DNA intercalator and artificial metallonuclease. <i>Monatshefte für Chemie</i> , 2019, 150, 233-245.	1.8	8
30	Tetrazolo[1,5-a]quinoline moiety-based Os(IV) complexes: DNA binding/cleavage, bacteriostatic and photocytotoxicity assay. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2894-2903.	3.5	8
31	Mechanistic insight of cell anti-proliferative activity of fluoroquinolone drug-based Cu(II) complexes. <i>Molecular Diversity</i> , 2022, 26, 869-878.	3.9	8
32	Qualitative and quantitative contributions of intermolecular interactions of dinuclear Ag complexes of sulfathiazole and sulfadiazine: X-ray crystallographic, Hirshfeld surface analysis, DFT studies and biological activities. <i>Journal of Molecular Structure</i> , 2022, 1255, 132426.	3.6	8
33	Synthesis, characterization and biological activities of ciprofloxacin drug based metal complexes. <i>Acta Chimica Slovenica</i> , 2012, 59, 622-31.	0.6	8
34	DNA interaction, free radical scavenging and <i>in vitro</i> antibacterial activity of drug-based copper(II) complexes. <i>Applied Organometallic Chemistry</i> , 2011, 25, 653-660.	3.5	7
35	Study of SOD Mimic and Nucleic Acid Interaction Activity Exerted by Enrofloxacin-Based Copper(II) Complexes. <i>Chemistry and Biodiversity</i> , 2012, 9, 2810-2824.	2.1	7
36	Exploring qualitative and quantitative contributions of intermolecular interactions, DNA-binding and in vitro cytotoxic activity of isostructural and isomorphous Cd and Zn complexes. <i>Polyhedron</i> , 2020, 185, 114595.	2.2	7

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37	Bipyrazole Based Novel Bimetallic μ -oxo Bridged Au(III) Complexes as Potent DNA Intercalative, Genotoxic, Anticancer, Antibacterial and Cytotoxic Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 5085-5099.	3.7	6
38	Role of secondary ligand on Cd complex of sulfamethizole: synthesis, spectroscopic characterization, Hirshfeld surface analysis and DNA interaction. <i>Journal of Molecular Structure</i> , 2022, 1247, 131411.	3.6	6
39	Divalent zinc complex of succinylsulfathiazole: Synthesis, spectral, molecular structure, DNA interaction profile and Hirshfeld surface analysis. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108318.	3.9	5
40	Oxadiazole based Os(IV) compounds as potential DNA intercalator and cytotoxic agents. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108070.	3.9	5
41	Molecular structure investigation, Hirshfeld surface analysis and DNA interaction of cadmium complex of 4-amino-N-(1,3-thiazol-2-yl)benzenesulfonamide monohydrate in the presence of the secondary ligand β -picoline. <i>Polyhedron</i> , 2021, 200, 115137.	2.2	5
42	DNA interaction, anticancer, cytotoxicity and genotoxicity studies with potential pyrazine-bipyrazole dinuclear μ -oxo bridged Au(III) complexes. <i>Molecular Diversity</i> , 2022, 26, 2085-2101.	3.9	4
43	Antibacterial and Superoxide Dismutase Activity as Well as DNA Interactions of Ciprofloxacin-Based Ternary Copper(II) Phenanthroline Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1602-1611.	1.2	3
44	Combined experimental and computational studies on molecular structure of nickel complex of 4-amino-N-(1,3-thiazol-2-yl) benzenesulfonamide with coordinated pyridine. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-11.	1.6	3
45	Synthetic approach toward spiro quinoxaline- β -lactam based heterocyclic compounds: Spectral characterization, SAR, pharmacokinetic and biomolecular interaction studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 5382-5398.	3.5	3
46	Synthesis, Characterization, Covalent Binding, and Degree of Unwinding of Platinum(II) Bipyridine Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 838-843.	1.2	2
47	Fluorescence, DNA Interaction and Cytotoxicity Studies of 4,5-Dihydro-1H-Pyrazol-1-yl Moiety Based Os(IV) Compounds: Synthesis, Characterization and Biological Evaluation. <i>Journal of Fluorescence</i> , 2021, 31, 349-362.	2.5	2
48	Synthesis, characterization, and biological applications of pyrazole moiety bearing osmium(IV) complexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 593-618.	1.1	1
49	Synthesis, spectroscopic characterization, computational and biological evaluation of organometallic Re(I) complexes with 5-(2-butyl-5-chloro-1H-imidazol-4-yl)-1,3-diaryl-4,5-dihydro-1H-pyrazole. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109005.	3.9	1
50	Synthesis, Characterization, and Biological Evaluation of Osmium(IV) Pyrazole Carbothioamide Complexes. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-17.	2.6	0