Jebiti Haribabu

List of Publications by Year
in descending order

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73 papers	2,028 citations	185998 28 h-index	264894 42 g-index
75 all docs	75 docs citations	75 times ranked	1543 citing authors

#	Article	IF	Citations
1	Synthesis, DNA/protein binding, molecular docking, DNA cleavage and in vitro anticancer activity of nickel(<scp>ii</scp>) bis(thiosemicarbazone) complexes. RSC Advances, 2015, 5, 46031-46049.	1.7	135
2	Half-sandwich RuCl₂(Î·⁶-p-cymene) core complexes containing sulfur donor aroylthiourea ligands: DNA and protein binding, DNA cleavage and cytotoxic studies. Dalton Transactions, 2016, 45, 12518-12531.	1.6	81
3	Water-Soluble Mono- and Binuclear Ru(Î·⁶-p-cymene) Complexes Containing Indole Thiosemicarbazones: Synthesis, DFT Modeling, Biomolecular Interactions, and In Vitro Anticancer Activity through Apoptosis. Organometallics, 2018, 37, 1242-1257.	1.1	77
4	Synthesis of Palladium(II) Complexes via Michael Addition: Antiproliferative Effects through ROS-Mediated Mitochondrial Apoptosis and Docking with SARS-CoV-2. Inorganic Chemistry, 2020, 59, 17109-17122.	1.9	74
5	Synthesis of Ni(II) complexes bearing indole-based thiosemicarbazone ligands for interaction with biomolecules and some biological applications. Journal of Biological Inorganic Chemistry, 2017, 22, 461-480.	1.1	73
6	Facile and diastereoselective synthesis of 3,2â€²-spiropyrrolidine-oxindoles derivatives, their molecular docking and antiproliferative activities. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 389-399.	1.0	70
7	Nickel(II) bis(isatin thiosemicarbazone) complexes induced apoptosis through mitochondrial signaling pathway and G0/G1 cell cycle arrest in IM-9 cells. Journal of Inorganic Biochemistry, 2018, 182, 208-221.	1.5	68
8	Impact of aliphatic acyl and aromatic thioamide substituents on the anticancer activity of Ru(<scp>ii</scp>)-p-cymene complexes with acylthiourea ligandsâ€”in vitro and in vivo studies. Dalton Transactions, 2021, 50, 16311-16325.	1.6	63
9	Synthesis of Ru(<scp>ii</scp>)â€“benzene complexes containing aroylthiourea ligands, and their binding with biomolecules and in vitro cytotoxicity through apoptosis. New Journal of Chemistry, 2017, 41, 2672-2686.	1.4	62
10	Synthesis, X-ray crystal structure, DNA/protein binding, DNA cleavage and cytotoxicity studies of N(4) substituted thiosemicarbazone based copper(II)/nickel(II) complexes. Inorganica Chimica Acta, 2016, 449, 82-95.	1.2	59
11	Copper, nickel and zinc complexes of 3-acetyl coumarin thiosemicarbazone: Synthesis, characterization and in vitro evaluation of cytotoxicity and DNA/protein binding properties. Polyhedron, 2017, 135, 26-35.	1.0	58
12	An investigation on the DNA/protein binding, DNA cleavage and in vitro anticancer properties of SNO pincer type palladium(II) complexes with N-substituted isatin thiosemicarbazone ligands. Inorganica Chimica Acta, 2017, 466, 61-70.	1.2	53
13	Synthesis, structures and mechanistic pathways of anticancer activity of palladium(<scp>ii</scp>) complexes with indole-3-carbaldehyde thiosemicarbazones. New Journal of Chemistry, 2018, 42, 10818-10832.	1.4	53
14	Synthesis and Anticancer Activity of [RuCl₂(Î·⁶-arene)(aroylthiourea)] Complexesâ€”High Activity against the Human Neuroblastoma (IMR-32) Cancer Cell Line. ACS Omega, 2019, 4, 6245-6256.	1.6	52
15	Isatin based thiosemicarbazone derivatives as potential bioactive agents: Anti-oxidant and molecular docking studies. Journal of Molecular Structure, 2016, 1110, 185-195.	1.8	49
16	Coordination Behavior of N,Nâ€²,Nâ€³-Trisubstituted Guanidine Ligands in Their Ruâ€“Arene Complexes: Synthetic, DNA/Protein Binding, and Cytotoxic Studies. Organometallics, 2019, 38, 753-770.	1.1	48
17	Thiosemicarbazone(s)-anchored water soluble mono- and bimetallic Cu(<scp>ii</scp>) complexes: enzyme-like activities, biomolecular interactions, anticancer property and real-time live cytotoxicity. Dalton Transactions, 2020, 49, 9411-9424.	1.6	46
18	Synthesis, crystal structure, and in vitro and in silico molecular docking of novel acyl thiourea derivatives. Journal of Molecular Structure, 2015, 1094, 281-291.	1.8	45

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19	Synthesis, Structural, Biological Evaluation, Molecular Docking and DFT Studies of Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II) Complexes bearing Heterocyclic Thiosemicarbazone ligand. Applied Organometallic Chemistry, 2018, 32, e4415.	1.7	45
20	Design, Synthesis, DNA/HSA Binding, and Cytotoxic Activity of Half-Sandwich Ru(II)-Arene Complexes Containing Triarylamineâ€“Thiosemicarbazone Hybrids. ACS Omega, 2019, 4, 11712-11723.	1.6	43
21	InÂvitro antioxidant, antiinflammatory and in silico molecular docking studies of thiosemicarbazones. Journal of Molecular Structure, 2017, 1145, 160-169.	1.8	40
22	Design and synthesis of heterocyclic azole based bioactive compounds: Molecular structures, quantum simulation, and mechanistic studies through docking as multi-target inhibitors of SARS-CoV-2 and cytotoxicity. Journal of Molecular Structure, 2022, 1250, 131782.	1.8	40
23	Unprecedented formation of palladium(II)-pyrazole based thiourea from chromone thiosemicarbazone and [PdCl2(PPh3)2]: Interaction with biomolecules and apoptosis through mitochondrial signaling pathway. Journal of Inorganic Biochemistry, 2020, 205, 110988.	1.5	34
24	Piano stool Ru(II)-arene complexes having three monodentate legs: A comprehensive review on their development as anticancer therapeutics over the past decade. Coordination Chemistry Reviews, 2022, 459, 214403.	9.5	34
25	N-substitution in isatin thiosemicarbazones decides nuclearity of Cu(II) complexes â€“ Spectroscopic, molecular docking and cytotoxic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 118963.	2.0	33
26	Coordination Behavior of Acylthiourea Ligands in Their Ru(II)â€“Benzene Complexesâ€€Structures and Anticancer Activity. Organometallics, 2022, 41, 1621-1630.	1.1	33
27	Zinc(II) complexes of indole thiosemicarbazones: DNA/protein binding, molecular docking and in vitro cytotoxicity studies. Polyhedron, 2019, 170, 188-201.	1.0	29
28	Half-sandwich Ru(Î·6-p-cymene) complexes featuring pyrazole appended ligands: Synthesis, DNA binding and in vitro cytotoxicity. Journal of Inorganic Biochemistry, 2019, 194, 74-84.	1.5	29
29	Synthesis, crystal structure, DNA binding and antitumor studies of Î²-diketonate complexes of divalent copper, zinc and palladium. Inorganica Chimica Acta, 2018, 469, 76-86.	1.2	26
30	Highly active copper(<scp>i</scp>) complexes of aroylthiourea ligands against cancer cells â€“ synthetic and biological studies. New Journal of Chemistry, 2019, 43, 3188-3198.	1.4	26
31	Effect of morphology and (Sn, Cr) doping on inÂvitro antiproliferation properties of hydrothermally synthesized 1D GaOOH nanostructures. Journal of Science: Advanced Materials and Devices, 2021, 6, 351-363.	1.5	26
32	Ru(II)â€pâ€cymene Thiosemicarbazone Complexes as Inhibitors of Amyloid Î² (AÎ²) Peptide Aggregation and AÎ²â€Induced Cytotoxicity. ChemistrySelect, 2017, 2, 11638-11644.	0.7	24
33	Half-sandwich Ru(II)(Î·6-p-cymene) complexes bearing N-dibenzosuberenyl appended thiourea for catalytic transfer hydrogenation and in vitro anticancer activity. Polyhedron, 2018, 152, 147-154.	1.0	24
34	Synthesis and Anticancer Properties of Bisâ€•and Mono(cationic peptide) Hybrids of Cyclometalated Iridium(III) Complexes: Effect of the Number of Peptide Units on Anticancer Activity. European Journal of Inorganic Chemistry, 2021, 2021, 1796-1814.	1.0	24
35	Enhanced anticancer activity of half-sandwich Ru(II)-p-cymene complex bearing heterocyclic hydrazone ligand. Inorganic Chemistry Communication, 2020, 119, 108054.	1.8	23
36	Tunable Anticancer Activity of Furoylthioureaâ€Based Ru^{II}â€“Arene Complexes and Their Mechanism of Action. Chemistry - A European Journal, 2021, 27, 7418-7433.	1.7	23

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37	Effect of N-benzyl group in indole scaffold of thiosemicarbazones on the biological activity of their Pd(II) complexes: DFT, biomolecular interactions, in silico docking, ADME and cytotoxicity studies. Inorganica Chimica Acta, 2022, 534, 120805.	1.2	23
38	Molecular structures, Hirshfeld analysis and biological investigations of isatin based thiosemicarbazones. Journal of Molecular Structure, 2019, 1198, 126904.	1.8	22
39	Synthesis, cytotoxicity and docking studies (with SARS-CoV-2) of water-soluble binuclear Ru-p-cymene complex holding indole thiosemicarbazone ligand. Inorganic Chemistry Communication, 2021, 134, 109029.	1.8	18
40	Spectroscopic, anticancer and antioxidant studies of fluxional trans-[PdCl2(S-acylthiourea)2] complexes. Results in Chemistry, 2021, 3, 100157.	0.9	17
41	NHC-catalyzed green synthesis of functionalized chromones: DFT mechanistic insights andin vitroactivities in cancer cells. New Journal of Chemistry, 2019, 43, 13509-13525.	1.4	16
42	Chemosensing, molecular docking and antioxidant studies of 8-aminoquinoline appended acylthiourea derivatives. Journal of Molecular Structure, 2019, 1185, 450-460.	1.8	16
43	Cyclometalated Iridium(III) Complexâ€“Cationic Peptide Hybrids Trigger Paraptosis in Cancer Cells via an Intracellular Ca2+ Overload from the Endoplasmic Reticulum and a Decrease in Mitochondrial Membrane Potential. Molecules, 2021, 26, 7028.	1.7	16
44	Naphthalenyl appended semicarbazone as â€œturn onâ€•fluorescent chemosensor for selective recognition of fluoride ion. Journal of Molecular Structure, 2017, 1145, 347-355.	1.8	15
45	Dinitrobenzene ether reactive turn-on fluorescence probes for the selective detection of H₂S. Analytical Methods, 2021, 14, 58-66.	1.3	15
46	Ru(II)â€Î·⁶â€benzene Complexes of Dibenzosuberenyl Appended Aroyl/Acylthiourea Ligands: In vitro Biomolecular Interaction Studies and Catalytic Transfer Hydrogenation. ChemistrySelect, 2018, 3, 18-28.	0.7	14
47	Development of thiosemicarbazone-based transition metal complexes as homogeneous catalysts for various organic transformations. Inorganica Chimica Acta, 2022, 532, 120742.	1.2	14
48	Vibrational spectroscopic (FT-IR, FT-Raman), anti-inflammatory, docking and molecular characteristic studies of Ni(II) complex of 2-aminonicotinaldehyde using theoretical and experimental methods. Journal of Molecular Structure, 2019, 1175, 769-781.	1.8	13
49	2â€²-Thiophenecarboxaldehyde derived thiosemicarbazone metal complexes of copper(II), palladium(II) and zinc(II) ions: Synthesis, spectroscopic characterization, anticancer activity and DNA binding studies. Inorganica Chimica Acta, 2021, 524, 120440.	1.2	11
50	Design of a dual responsive receptor with oxochromane hydrazide moiety to monitor toxic Hg2+ and Cd2+ ions: Usage on real samples and live cells. Environmental Pollution, 2022, 301, 119036.	3.7	11
51	Crystal structures of two hydrazinecarbothioamide derivatives: (E)-N-ethyl-2-[(4-oxo-4H-chromen-3-yl)methylidene]hydrazinecarbothioamide hemihydrate and (E)-2-[(4-chloro-2H-chromen-3-yl)methylidene]-N-phenylhydrazinecarbothioamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 305-308.	0.2	10
52	Bidentate acylthiourea ligand anchored Pd-PPh3 complexes with biomolecular binding, cytotoxic, antioxidant and antihemolytic properties. Journal of Inorganic Biochemistry, 2022, 233, 111843.	1.5	10
53	Binding mode transformation and biological activity on the Ru(II)-DMSO complexes bearing heterocyclic pyrazolyl ligands. Journal of Inorganic Biochemistry, 2021, 223, 111545.	1.5	9
54	Pd(II)â€“PPh₃ complexes of halogen substituted acylthiourea ligands: Biomolecular interactions and in vitro antiâ€proliferative activity. Applied Organometallic Chemistry, 2022, 36, .	1.7	6

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55	Crystal structure of (2E)-N-methyl-2-[(4-oxo-4H-chromen-3-yl)methylidene]hydrazinecarbothioamide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1151-o1151.	0.2	5
56	1â€²-(1,3-Diphenyl-1H-pyrazol-4-yl)-1â€²â€²-methyl-2â€²,3â€²,5â€²,6â€²,7â€²,7a'-octahydro-1â€²H-dispiro[1-benzopyran-3,2â€²-pyrro Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o317-o317.	0.2	5
57	Crystal structures of the Schiff base derivatives (E)-Nâ€²-[(1H-indol-3-yl)methylidene]isonicotinohydrazide ethanol monosolvate and (E)-N-methyl-2-[1-(2-oxo-2H-chromen-3-yl)ethylidene]hydrazinecarbothioamide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 594-597.	0.2	4
58	Effect of 2â€²Bromopyridine Ancillary Ligand in the Catalysis of Pd(II)â€NNN Pincer Complexes towards Suzukiâ€Miyaura Crossâ€Coupling Reaction. ChemistrySelect, 2019, 4, 2237-2241.	0.7	4
59	Pd(II)â€NNN Pincer Complexes for Catalyzing Transfer Hydrogenation of Ketones. ChemistrySelect, 2020, 5, 13591-13597.	0.7	4
60	Synthesis and Molecular Structure of the Zinc(II) Complex Bearing an N, S Donor Ligand. Journal of Structural Chemistry, 2020, 61, 66-72.	0.3	4
61	Effective inhibition of insulin amyloid fibril aggregation by nickel(II) complexes containing heterocyclic thiosemicarbazones. European Biophysics Journal, 2021, 50, 1069-1081.	1.2	4
62	Crystal structure of (2E)-N-methyl-2-(2-oxo-1,2-dihydroacenaphthylen-1-ylidene)hydrazinecarbothioamide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, 415-417.	0.2	4
63	A new subtle and integrated detector to sense Hg2+ions: A vision towards its applicability on water samples and live cells. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 428, 113863.	2.0	4
64	Synthesis, structural, DNA/protein binding and cytotoxic studies of copper(I) âˆ•diimine hydrazone complexes. Inorganica Chimica Acta, 2022, 533, 120780.	1.2	3
65	Impact of denticity of chromone/chromene thiosemicarbazones in the ruthenium(II)â€DMSO complexes on their cytotoxicity against breast cancer cells. Applied Organometallic Chemistry, 2022, 36, .	1.7	3
66	Crystal structure of (E)-2-[(4-chloro-2H-chromen-3-yl)methylidene]-N-cyclohexylhydrazinecarbothioamide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1039-o1040.	0.2	2
67	Effect of new Pd(II)-aroylthiourea complex on pancreatic cancer cells. Inorganic Chemistry Communication, 2021, 134, 109018.	1.8	2
68	Crystal structure ofN-[(naphthalen-1-yl)carbamothioyl]cyclohexanecarboxamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o508-o509.	0.2	1
69	Crystal structure ofN-[(4-ethoxyphenyl)carbamothioyl]cyclohexanecarboxamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o820-o821.	0.2	0
70	(6â€²R*,7â€²R*)-7â€²-(1,3,-Diphenyl-1H-pyrazol-4-yl)-1,2,5â€²,6â€²,7â€²,7a',3â€²â€²,4â€²â€²-octahydro-1â€²H,2â€²â€²H-dispiro[ace Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o493-o494.	0.2	0
71	1â€²-(1,3-Diphenyl-1H-pyrazol-4-yl)-2â€²,3â€²,5â€²,6â€²,7â€²,7a'-hexahydro-1â€²H-dispiro[acenaphthylene-1,3â€²-pyrrolizine-2â€², Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o711-o711.	0.2	0
72	1â€²-(1,3-Diphenyl-1H-pyrazol-4-yl)-1â€²â€²-(prop-2-en-1-yl)-2â€²,3â€²,5â€²,6â€²,7â€²,7a'-hexahydro-1â€²H-dispiro[1-benzopyran-3,2 0.75-hydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1194-o1195.	0.2	0

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73	Crystal structure of (Z)-2-(1-benzyl-2-oxoindolin-3-ylidene)-N-phenylhydrazine-1-carbothioamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o160-o161.	0.2	0