Nidhi Tyagi

List of Publications by Year
in descending order

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23	466	686830 13	752256 20
papers	citations	h-index	g-index

24	24	24	577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and reactivity studies on new copper(II) complexes: DNA binding, generation of phenoxyl radical, SOD and nuclease activities. European Journal of Medicinal Chemistry, 2010, 45, 3770-3779.	2.6	73
2	Stabilization of Mn(II) and Mn(III) in mononuclear complexes derived from tridentate ligands with N2O donors: Synthesis, crystal structure, superoxide dismutase activity and DNA interaction studies. Journal of Inorganic Biochemistry, 2010, 104, 9-18.	1.5	63
3	Novel Diphenoxo-Bridged Dinuclear Zinc Complexes: Generation of Phenoxyl-Radical Species and Nuclease Activity. Inorganic Chemistry, 2010, 49, 7614-7616.	1.9	41
4	Synthesis, crystal structure and DNA interaction studies on mononuclear zinc complexes. Inorganica Chimica Acta, 2011, 375, 77-83.	1.2	39
5	Synthesis, structural characterization and DNA interaction studies on a mononuclear copper complex: Nuclease activity via self-activation. Inorganic Chemistry Communication, 2011, 14, 489-492.	1.8	36
6	DNA interaction, superoxide scavenging and cytotoxicity studies on new copper(II) complexes derived from a tridentate ligand. Polyhedron, 2011, 30, 2667-2677.	1.0	35
7	Role of carboxamido nitrogen in mononuclear manganese complex: Superoxide scavenging activity and nuclease activity. Inorganic Chemistry Communication, 2010, 13, 380-383.	1.8	22
8	The design of synthetic superoxide dismutase mimetics: seven-coordinate water soluble manganese(<scp>ii</scp>) and iron(<scp>ii</scp>) complexes and their superoxide dismutase-like activity studies. Dalton Transactions, 2017, 46, 14186-14191.	1.6	22
9	Mononuclear iron(<scp>iii</scp>) complexes of tridentate ligands with efficient nuclease activity and studies of their cytotoxicity. Organic and Biomolecular Chemistry, 2015, 13, 11445-11458.	1.5	18
10	Enhancement in intramolecular interactions and in vitro biological activity of a tripodal tetradentate system upon complexation. Dalton Transactions, 2015, 44, 15591-15601.	1.6	17
11	Mn(II) based T1 and T2 potential MRI contrast agent appended with tryptamine: Recognition moiety for AÎ²-plaques. Journal of Inorganic Biochemistry, 2017, 177, 76-81.	1.5	17
12	Spontaneous Reduction of Mononuclear Highâ€Spin Iron(III) Complexes to Mononuclear Lowâ€Spin Iron(II) Complexes in Aqueous Media and Nuclease Activity via Selfâ€Activation. Chemistry - an Asian Journal, 2015, 10, 350-361.	1.7	16
13	Aryl appended neutral and cationic half-sandwich ruthenium(<scp>ii</scp>)â€“NHC complexes: synthesis, characterisation and catalytic applications. New Journal of Chemistry, 2017, 41, 12736-12745.	1.4	14
14	Synthesis, structure, redox properties and DNA interaction studies on mononuclear iron(III) complexes with amidate ligand. Inorganica Chimica Acta, 2014, 412, 20-26.	1.2	13
15	Non-heme iron(III) complex with tridentate ligand: Synthesis, structures and catalytic oxidations of alkanes. Catalysis Communications, 2017, 95, 83-87.	1.6	11
16	Efficient nuclease activity of dinuclear iron(III) complex with ligand having carboxamido nitrogen donors. Inorganic Chemistry Communication, 2012, 20, 167-171.	1.8	10
17	DNA interaction, SOD, peroxidase and nuclease activity studies of iron complex having ligand with carboxamido nitrogen donors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 292-296.	2.0	9
18	Nitric oxide (NO) reactivity studies on mononuclear iron(<scp>ii</scp>) complexes supported by a tetradentate Schiff base ligand. RSC Advances, 2016, 6, 115326-115333.	1.7	4

#	Article	IF	Citations
19	Recent Advances in Ru Catalyzed Transfer Hydrogenation and Its Future Perspectives. , 0, , .		3
20	Bio-macromolecular interaction studies: Synthesis, crystal structure of water-soluble manganese(II) complexes. Inorganica Chimica Acta, 2020, 512, 119882.	1.2	1
21	Aggregationâ€Induced Emission, Mechanofluorochromism, and Selective Fluoride Detection by a Tripodal Salicylaldimine. ChemPlusChem, 2022, 87, e202100555.	1.3	1
22	Î¼-Oxo-bridged iron(<scp>iii</scp>) complexes for the selective reduction of aromatic ketones catalyzed through base promoted in situ nanoparticle formation. New Journal of Chemistry, 2022, 46, 11202-11211.	1.4	1
23	Photodynamic therapy applications of Re(I)â€BODIPY functionalized nanoparticles. Applied Organometallic Chemistry, 2022, 36, e6494.	1.7	0