

Debanjana Biswal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lewis base controlled supramolecular architectures via non-covalent interactions of dioxomolybdenum(V) complexes with an ONS donor ligand: DFT calculations and biological study. <i>New Journal of Chemistry</i> , 2015, 39, 2778-2794.	2.8	26
2	New polymeric, dimeric and mononuclear dioxidomolybdenum(VI) complexes with an ONO donor ligand: crystal structures, DFT calculations, catalytic performance and protein binding study of the ligand. <i>New Journal of Chemistry</i> , 2017, 41, 4116-4137.	2.8	23
3	Syntheses, crystal structures, DFT calculations, protein interaction and anticancer activities of water soluble dipicolinic acid-imidazole based oxidovanadium(IV) complexes. <i>Dalton Transactions</i> , 2017, 46, 16682-16702.	3.3	23
4	Supramolecular frameworks of binuclear dioxomolybdenum(V) complexes with ONS donor ligands using 4,4'-azopyridine as a pillar: crystal structure, DFT calculations and biological study. <i>New Journal of Chemistry</i> , 2015, 39, 8681-8694.	2.8	19
5	Binuclear dioxomolybdenum(VI) complexes of some tridentate ONS donor ligand containing $[\text{MoO}_2]^{2+}$ as the acceptor center: Synthesis, crystal structure, supramolecular architectures via hydrogen bonds, π - π stacking and DFT calculations. <i>Polyhedron</i> , 2015, 85, 196-207.	2.2	19
6	Synthesis, characterization, DFT calculations, protein binding and molecular docking studies of mononuclear dioxomolybdenum(VI) complexes with ONS donor ligand. <i>Journal of Molecular Structure</i> , 2021, 1234, 130192.	3.6	18
7	New pillared dioxomolybdenum(VI) complexes with ONS donor ligands and 4,4'-azopyridine spacer: 3D metal-organic supramolecular architectures and DFT calculations. <i>Inorganica Chimica Acta</i> , 2016, 451, 92-101.	2.4	12
8	Characterization and Inception of a Triterpenoid Astrakurkurool, as a Cytotoxic Molecule on Human Hepatocellular Carcinoma Cells, Hep3B. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7660-7673.	5.2	11
9	Oxidative stress imposed in vivo anticancer therapeutic efficacy of novel imidazole-based oxidovanadium (IV) complex in solid tumor. <i>Life Sciences</i> , 2022, 301, 120606.	4.3	11
10	Synthesis, crystal structure, DFT calculations, protein interaction, anticancer potential and bromoperoxidase mimicking activity of oxidoalkoxidovanadium(V) complexes. <i>New Journal of Chemistry</i> , 2019, 43, 17783-17800.	2.8	5
11	New mononuclear and binuclear oxomolybdenum(V) complexes containing N N chelator: Syntheses, DFT calculations, interaction with BSA protein and in vitro cytotoxic activity. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110755.	3.5	5
12	Structural elucidation, DFT calculations and catalytic activity of dioxomolybdenum(VI) complexes with N N donor ligand: Role of halogen atom coordinated to the molybdenum centre. <i>Polyhedron</i> , 2021, 200, 115144.	2.2	5
13	The vital role of ditopic N - N bridging ligands with different lengths in the formation of new binuclear dioxomolybdenum(V) complexes: synthesis, crystal structures, supramolecular framework and protein binding studies. <i>New Journal of Chemistry</i> , 2020, 44, 16645-16664.	2.8	2