

Ajoy Kumar Pramanik

List of Publications by Year in descending order

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papers

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687363

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503
citing authors

#	ARTICLE	IF	CITATIONS
1	Coumarin based dual switching fluorescent "turn-on" chemosensor for selective detection of Zn ²⁺ and HSO ₄ ⁻ : an experimental and theoretical study. RSC Advances, 2014, 4, 25341-25347.	3.6	48
2	A novel coumarin based molecular switch for dual sensing of Zn(II) and Cu(II). RSC Advances, 2015, 5, 7647-7653.	3.6	34
3	A chromogenic and ratiometric fluorogenic probe for rapid detection of a nerve agent simulant DCP based on a hybrid hydroxynaphthalene-hemicyanine dye. Organic and Biomolecular Chemistry, 2017, 15, 5959-5967.	2.8	34
4	Coumarin based fluorescent "turn-on" chemosensor for Zn ²⁺ : An experimental and theoretical study. Journal of Luminescence, 2014, 146, 480-485.	3.1	32
5	Ratiometric sensing of nerve agent mimic DCP through in situ benzisoxazole formation. Dyes and Pigments, 2019, 170, 107585.	3.7	32
6	Real time detection of the nerve agent simulant diethylchlorophosphate by nonfluorophoric small molecules generating a cyclization-induced fluorogenic response. Analyst, The, 2018, 143, 4171-4179.	3.5	27
7	Benzimidazole based ratiometric and colourimetric chemosensor for Ni(II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 397-401.	3.9	24
8	A PET based fluorescent chemosensor with real time application in monitoring formaldehyde emissions from plywood. Analytical Methods, 2018, 10, 2888-2894.	2.7	21
9	Synthesis, X-ray structure, spectroscopic and DFT study of cis-[Ru(PPh ₃)(L)X ₂] complexes (X=Cl ⁻ , Br ⁻ , I ⁻) Tj ETQq1 1 0.784314 rgBT 583-590.	2.4	17
10	Palladium(II) complex with thiazole containing tridentate ONN donor ligand: Synthesis, X-ray structure and DFT computation. Journal of Molecular Structure, 2015, 1088, 28-33.	3.6	15
11	A copper(II) complex with a thioether and ether containing azophenol ligand: Synthesis, spectra, X-ray structure and DFT computations. Polyhedron, 2015, 102, 32-40.	2.2	14
12	Ruthenium carbonyl complex of a redox non-innocent ONS donor azophenol ligand: Electrochemistry, photophysical property, electronic structure and catalytic activity towards oxidation of alcohols. Journal of Organometallic Chemistry, 2017, 828, 1-9.	1.8	14
13	Ruthenium(III) complexes with tetradentate NSNO donor ligand: Synthesis, electronic structure, catalytic activity and DFT calculation. Inorganica Chimica Acta, 2014, 411, 106-112.	2.4	13
14	Rhenium(I) complexes with NNS donor thioaryloimidazole ligands with the cis-[Re(CO) ₂]+ core: Synthesis, characterization, electrochemical study and DFT calculation. Journal of Molecular Structure, 2013, 1047, 73-79.	3.6	11
15	Synthesis and characterization of a new zinc(II) complex with tetradentate azo-thioether ligand: X-ray structure, DNA binding study and DFT calculation. Journal of Molecular Structure, 2017, 1146, 146-152.	3.6	11
16	Palladium(II) complexes with thioether containing azophenol ligands: Synthesis, characterization, X-ray structure and DNA binding study. Polyhedron, 2018, 150, 118-125.	2.2	11
17	Rhenium(I) carbonyl complexes with redox non-innocent 1-alkyl-2-((o-thioalkyl)phenylazo)imidazole ligands: An experimental and theoretical studies. Polyhedron, 2012, 40, 46-52.	2.2	9
18	Cu(II) complexes of a new tetradentate N ₂ SO donor: synthesis, structure, electrochemistry, and DFT computation. Journal of Coordination Chemistry, 2013, 66, 4067-4079.	2.2	8

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19	A highly selective ratiometric fluorescent probe for H ₂ S based on new heterocyclic ring formation and detection in live cells. <i>Supramolecular Chemistry</i> , 2019, 31, 349-360.	1.2	8
20	Synthesis, crystal structure and spectral properties of 2-[(1-Methyl-2-benzimidazolyl)azo]-p-cresol: An experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 421-425.	3.9	7
21	Electronic structure of thioether containing NSNO donor azo-ligand and its copper(II) complex: Experimental and theoretical studies. <i>Journal of Molecular Structure</i> , 2015, 1099, 92-98.	3.6	5
22	An octahedral nickel(II) complex of a hexadentate N ₂ O ₂ S ₂ thioether ligand: synthesis, characterization, X-ray and electronic structure. <i>Transition Metal Chemistry</i> , 2016, 41, 849-856.	1.4	0