

Pawan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Design and synthesis of 4-aminoantipyrine appended triazole linked bis-organosilane and their silica nanoparticles for selective recognition of Fe ³⁺ ions. Journal of Molecular Structure, 2022, 1250, 131766.	3.6	4
2	Design of new bis-triazolyl structure for identification of inhibitory activity on COVID-19 main protease by molecular docking approach. Journal of Molecular Structure, 2022, 1250, 131858.	3.6	8
3	Tetrazole conjoined organosilane and organosilatrane <i>via</i> the "click approach": a potent <i>Mycobacterium tuberculosis</i> enoyl ACP reductase inhibitor and a dual sensor for Fe ³⁺ and Cu ²⁺ ions. New Journal of Chemistry, 2022, 46, 2094-2104.	2.8	12
4	New energy harvesting using conjugated chalconyl-organosiloxyl framework. Materials Chemistry and Physics, 2022, 279, 125751.	4.0	0
5	1-Adamantanamine-based triazole-appended organosilanes as chromogenic "naked-eye" and fluorogenic "turn-on" sensors for the highly selective detection of Sn ²⁺ ions. New Journal of Chemistry, 2022, 46, 7055-7069.	2.8	4
6	Propargyl-functionalized single arm allied Anthracene based Schiff bases: Crystal structure, solvatochromism and selective recognition of Fe ³⁺ ion. Journal of Molecular Structure, 2021, 1229, 129618.	3.6	8
7	Organosilanes and their magnetic nanoparticles as naked eye red emissive sensors for Ag ⁺ ions and potent anti-oxidants. New Journal of Chemistry, 2021, 45, 5517-5525.	2.8	26
8	Synthesis and Characterization of Antioxidant Biphenyl Appended 1,2,3-Triazoles as Potential Chemo-Sensor for Sn ²⁺ Ions: Excellent Selectivity and Low Detection Limit. ChemistrySelect, 2021, 6, 7613-7621.	1.5	13
9	Anthracene-Based Triazolyl Triethoxysilanes as Selective and Colorimetric Sensor for Cysteine: Rationalization towards Stability Factors, Therapeutics Evaluation and Molecular Docking. ChemistrySelect, 2021, 6, 8899-8911.	1.5	3
10	Colorimetric detection of Fe ³⁺ ions using Schiff base-chalcone functionalized bis(1,2,3-triazolyl- β -propyltriethoxysilanes). Inorganica Chimica Acta, 2021, 527, 120576.	2.4	3
11	A quick microwave preparation of isatin hydrazone schiff base conjugated organosilicon compounds: Exploration of their antibacterial, antifungal, and antioxidative potentials. Journal of Organometallic Chemistry, 2021, 953, 122051.	1.8	16
12	Organosilanes: Synthesis and modification to magnetic silica nanoparticles for recognition of Hg (II) ions. Inorganica Chimica Acta, 2021, 528, 120591.	2.4	13
13	Schiff base-functionalized silatrane-based receptor as a potential chemo-sensor for the detection of Al ³⁺ ions. New Journal of Chemistry, 2021, 45, 7850-7859.	2.8	36
14	The first report of X-ray characterized organosilatrane-based receptors for the electrochemical analysis of Al ³⁺ ions. New Journal of Chemistry, 2021, 45, 16083-16091.	2.8	2
15	A veratraldehyde-appended organosilicon probe and its hybrid silica nanoparticles as a dual chemosensor for colorimetric and fluorimetric detection of Cu ²⁺ and Fe ³⁺ ions. New Journal of Chemistry, 2021, 46, 370-384.	2.8	4
16	Click-Derived Uracil-Appended Organosilatranyl Scaffolds: Synthesis, Antibacterial Characteristics, Pb ²⁺ Binding and Fabrication of Hybrid Silica Nanoparticles. ChemistrySelect, 2020, 5, 284-292.	1.5	1
17	First Report on the Synthesis of Antipyrine Crowned Siloxy Framework: Optical Recognition of Fe ²⁺ and Hg ²⁺ Ions. ChemistrySelect, 2020, 5, 8823-8830.	1.5	8
18	Synthesis of organosiloxane allied <i>N</i> -heteroaryl Schiff base chemosensor for the detection of Cu ²⁺ metal ions and their biological applications. New Journal of Chemistry, 2020, 44, 13542-13552.	2.8	9

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19	Design and Synthesis of Heterocyclic Encapsulated Organosilatrane for In Silico, In Vitro Antioxidant and Cytotoxicity Evaluation. <i>ChemistrySelect</i> , 2020, 5, 15055-15060.	1.5	0
20	Azo dye featuring triazole appended organosilicon multifunctionalized sensor: Paradigm for detection of Cu ²⁺ and Fe ²⁺ ions. <i>Materials Chemistry and Physics</i> , 2020, 249, 123005.	4.0	20
21	Designing the recognition of Sn ²⁺ ions and antioxidants: N-heterocyclic organosilatrane and their magnetic nanocomposites. <i>New Journal of Chemistry</i> , 2020, 44, 6238-6250.	2.8	16