

# Mahesha

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analysis of structural conformation and supramolecular self-assembly of novel oxalate-bridged tetranuclear Cu(II) complex by combined crystallographic and computational studies. Journal of Molecular Structure, 2022, 1250, 131658.	3.6	0
2	Structure-property relationship in thioxotriaza-spiro derivative: Crystal structure and molecular docking analysis against SARS-CoV-2 main protease. Journal of Molecular Structure, 2022, 1250, 131746.	3.6	8
3	Structural-property relationship in halogen-bonded Schiff base derivative: Crystal structure, computational and SARS-CoV-2 docking studies. Journal of Molecular Structure, 2022, 1265, 133409.	3.6	6
4	Analysis of supramolecular self-assembly of two chromene derivatives: Synthesis, crystal structure, Hirshfeld surface, quantum computational and molecular docking studies. Journal of Molecular Structure, 2021, 1225, 129104.	3.6	9
5	Post-synthetic modification of supramolecular assemblies of $\hat{1}^2$ -diketonato Cu( $\langle\text{scp}\rangle\text{ii}\langle\text{scp}\rangle$ ) complexes: comparing and contrasting the molecular topology by crystal structure and quantum computational studies. CrystEngComm, 2021, 23, 4344-4369.	2.6	14
6	Understanding the Formation of Novel Hydrated Gallic Acid-Creatinine Molecular Salt: Crystal Structure, Hirshfeld Surface and DFT Studies. Journal of Chemical Crystallography, 2020, 50, 410-421.	1.1	5
7	Solvent induced mononuclear and dinuclear mixed ligand Cu( $\langle\text{scp}\rangle\text{ii}\langle\text{scp}\rangle$ ) complex: structural diversity, supramolecular packing polymorphism and molecular docking studies. New Journal of Chemistry, 2020, 44, 18048-18068.	2.8	17
8	A solid state analysis of metformin picrate salt. Chemical Data Collections, 2020, 30, 100577.	2.3	2
9	Fluorine substituted thiomethyl pyrimidine derivatives as efficient inhibitors for mild steel corrosion in hydrochloric acid solution: Thermodynamic, electrochemical and DFT studies. Journal of Molecular Liquids, 2020, 311, 113311.	4.9	14
10	Protection of mild steel corrosion by three new quinazoline derivatives: experimental and DFT studies. Surfaces and Interfaces, 2020, 18, 100446.	3.0	12
11	Structural elucidation, theoretical insights and thermal properties of three novel multicomponent molecular forms of gallic acid with hydroxypyridines. Journal of Molecular Structure, 2020, 1207, 127828.	3.6	18
12	Synthesis of novel spirobibenzopyrans as potent anticancer leads inducing apoptosis in HeLa cells. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127199.	2.2	6
13	$\hat{1}^4$ -phenoxide bridged mixed ligand Cu(II) complex: Synthesis, 3D supramolecular architecture, DFT, energy frameworks and antimicrobial studies. Polyhedron, 2020, 185, 114571.	2.2	28
14	Synthesis, characterization, crystal structure and theoretical simulation of novel ethyl 2-(7-hydroxy-4-methyl-2-oxo-2H-chromen-3-yl)acetate. Chemical Data Collections, 2020, 28, 100425.	2.3	4
15	Synthesis, Structural Characterization and Hirshfeld Surface Analysis of Mixed Ligand Copper(II) Complex. Chemical Data Collections, 2020, 28, 100374.	2.3	1