

Radhakrishnan Nandini Asha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, DNA interaction, BSA/HSA binding activities of VO(IV), Cu(II) and Zn(II) Schiff base complexes and its molecular docking with biomolecules. Journal of Molecular Liquids, 2022, 345, 117045.	4.9	61
2	Novel Cu(II) and Ni(II) complexes of nicotinamide based Mannich base: Synthesis, characterization, DFT calculation, DNA binding, molecular docking, antioxidant, antimicrobial activities. Journal of Molecular Liquids, 2020, 320, 114423.	4.9	27
3	Water soluble Cu(II) and Zn(II) complexes of bidentate-morpholine based ligand: synthesis, spectral, DFT calculation, biological activities and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1074-1083.	3.5	19
4	Synthesis, characterization, DFT calculation, biological and molecular docking of Cu(II) complex of pyrimidine derived Schiff base ligand. Journal of Saudi Chemical Society, 2021, 25, 101225.	5.2	16
5	Synthesis, molecular docking, and in silico ADMET studies of 4-benzyl-1-(2,4,6-trimethyl-benzyl)-piperidine: Potential Inhibitor of SARS-CoV2. Bioorganic Chemistry, 2021, 112, 104967.	4.1	16
6	Bio-inspired nickel nanoparticles of pyrimidine-Schiff base: <i>in vitro</i> anticancer, BSA and DNA interactions, molecular docking and antioxidant studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10715-10729.	3.5	16
7	Synthesis, structural, spectral, antidiabetic, DNA interactions and molecular docking investigations of a piperidine derivative. Journal of Molecular Structure, 2022, 1250, 131692.	3.6	14
8	Biologically active oxovanadium(IV) Schiff base metal complex: antibacterial, antioxidant, biomolecular interaction and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2023, 41, 599-610.	3.5	10
9	Experimental and theoretical studies of 2-Mercaptobenzothiazole with 2-Bromomethylmesitylene and 1,4-Bis(bromomethyl)durene. Journal of Molecular Structure, 2020, 1222, 128894.	3.6	7
10	Synthesis, Characterization and Biological Activity of (Phenylthio)Acetic Acid:Theophylline Cocrystal. Journal of Chemical Crystallography, 2021, 51, 225-234.	1.1	6
11	Isolation and biological evaluation 7-hydroxy flavone from <i>Avicennia officinalis</i> L: insights from extensive <i>in vitro</i> , DFT, molecular docking and molecular dynamics simulation studies. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2848-2860.	3.5	5
12	Synthesis, structure, Hirshfeld surface, DFT, and molecular docking studies of a new organic cocrystal: creatinine:2,3-pyridinedicarboxylic acid. Journal of Physical Organic Chemistry, 2021, 34, e4247.	1.9	2
13	Investigation on experimental and theoretical studies of NLO active organic single crystal: 3-methyl-1-[(2,3,5,6-tetramethylphenyl)methyl]piperidin-1-ium bromide. Optik, 2021, 245, 167652.	2.9	2
14	2,4-bis(bromomethyl)-1,3,5-trimethylbenzene with 2-mercaptopyridine based derivative: Synthesis, crystal structure, in vitro anticancer activity, DFT, Hirshfeld surface analysis, antioxidant, DNA binding and molecular docking studies. Journal of Molecular Structure, 2022, 1251, 131981.	3.6	2
15	Cocrystallization of 2,4-Diamino-6-phenyl-1,3,5-triazine with $\hat{\pi}^2$ -(phenylthio)propionic acid: Crystal structure, Hirshfeld surface, DFT studies and molecular docking. Chemical Data Collections, 2020, 29, 100520.	2.3	1
16	Growth, structural, Hirshfeld surface analysis, DFT validation on the crystal structure of 1, 10-Phenanthroline-1-ium-5,6-dione perchlorate monohydrate. Chemical Data Collections, 2021, 33, 100706.	2.3	1
17	Experimental and theoretical studies of 1,3,5-tris(bromomethyl)-2,4,6-trimethylbenzene with 2-pyridone. Journal of Physical Organic Chemistry, 2021, 34, e4188.	1.9	1
18	Synthesis, crystal structure, computational, and molecular docking studies of bis {1,1'-[1,3,5-Trimethyl-1,3-phenylenebis(methylene)]di-1H-piperidinium}tetrabromide tri hydrate. Molecular Crystals and Liquid Crystals, 0, , 1-18.	0.9	1