

Gopal Vengatesh

List of Publications by Year in descending order

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papers

201
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1307594

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#	ARTICLE	IF	CITATIONS
1	Experimental and computational approach of an expired antibiotic drug Kynurenic acid as an efficient corrosion inhibitor for mild steel in HNO ₃ medium. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2311-2329.	2.2	6
2	Synthesis, 2D NMR, crystal structure, Hirshfeld surface, stereochemical and DFT studies of 4,8,9,10-tetraaryl-1,3-diazaadamantan-6-one O-methoxy oximes. <i>Journal of Molecular Structure</i> , 2021, 1229, 129653.	3.6	6
3	Ring opening of 2,6-diaryl-3,5-diphenyl piperidine-4-one by acetic acid: Structural studies and Hirshfeld surface analysis of (E)-4-aryl-1,3-diphenylbut-3-en-2-ones. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 502-514.		0
4	Surface morphological and quantum chemical studies of some expired drug molecules as potential corrosion inhibitors for mild steel in chloride medium. <i>Surfaces and Interfaces</i> , 2021, 22, 100841.	3.0	32
5	Iodine mediated rearrangement of tetraarylpiperidin-4-ones: Synthesis, structure analysis and biological studies of 5-aryl-2-methoxy-2,4-diphenyl-1H-pyrrole-3-ones. <i>Journal of Molecular Structure</i> , 2020, 1199, 126980.	3.6	7
6	Experimental and theoretical evaluation of new piperidine and oxaquinuclidine core containing derivatives as an efficient corrosion inhibitor for copper in nitric acid medium. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2075-2106.	2.6	4
7	Unprecedented synthesis, 1D, and 2D NMR spectral studies of 2,4,6,11-tetraaryl-9-oxa-1,5-diazatricyclo[5.3.1.0 ^{3,8}]undecane via a novel rearrangement. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 522-529.	1.9	4
8	Non-toxic bisacodyl as an effective corrosion inhibitor for mild steel in 1 M HCl: Thermodynamic, electrochemical, SEM, EDX, AFM, FT-IR, DFT and molecular dynamics simulation studies. <i>Journal of Molecular Liquids</i> , 2019, 287, 110906.	4.9	75
9	Quantum chemical, experimental, theoretical spectral (FT-IR and NMR) studies and molecular docking investigation of 4,8,9,10-tetraaryl-1,3-diazaadamantan-6-ones. <i>Research on Chemical Intermediates</i> , 2019, 45, 4395-4415.	2.7	12
10	Synthesis, 1D and 2D NMR spectral assignments, and stereochemical studies of some 4,8,9,10-tetraaryl-1,3-diazaadamantan-6-one oximes. <i>Structural Chemistry</i> , 2019, 30, 1929-1939.	2.0	1
11	Surface Protection and Morphological Study of Copper by Green Corrosion Inhibitor: 8QSC in HNO ₃ Medium. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 1168-1180.	0.9	11
12	Crystal structure and Hirshfeld surface analysis of 2,4,6,11-tetrakis(4-fluorophenyl)-9-oxa-1,5-diazatricyclo[5.3.1.0 ^{3,8}]undecane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1867-1871.	0.5	1
13	Adsorption Behavior and Anticorrosion Capability of Antibiotic Drug Nitroxoline on Copper in Nitric Acid Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	2.6	7
14	A comprehensive study of ondansetron hydrochloride drug as a green corrosion inhibitor for mild steel in 1 M HCl medium. <i>Egyptian Journal of Petroleum</i> , 2017, 26, 705-719.	2.6	27
15	Effect of Pharmaceutically Active Compound Nitroxoline on the Corrosion of Mild Steel in an Acidic Environment. <i>Advances in Chemistry</i> , 2016, 2016, 1-9.	1.1	8