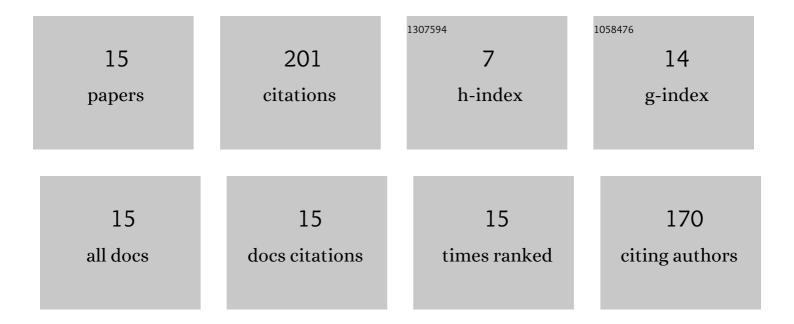
Gopal Vengatesh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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. Journal of Molecular Liquids, 2019, 287, 110906.	4.9	75
2	Surface morphological and quantum chemical studies of some expired drug molecules as potential corrosion inhibitors for mild steel in chloride medium. Surfaces and Interfaces, 2021, 22, 100841.	3.0	32
3	A comprehensive study of ondansetron hydrochloride drug as a green corrosion inhibitor for mild steel in 1 M HCl medium. Egyptian Journal of Petroleum, 2017, 26, 705-719.	2.6	27
4	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. Research on Chemical Intermediates, 2019, 45, 4395-4415.	2.7	12
5	Surface Protection and Morphological Study of Copper by Green Corrosion Inhibitor: 8QSC in HNO3 Medium. Journal of Failure Analysis and Prevention, 2018, 18, 1168-1180.	0.9	11
6	Effect of Pharmaceutically Active Compound Nitroxoline on the Corrosion of Mild Steel in an Acidic Environment. Advances in Chemistry, 2016, 2016, 1-9.	1.1	8
7	Adsorption Behavior and Anticorrosion Capability of Antibiotic Drug Nitroxoline on Copper in Nitric Acid Medium. Journal of Bio- and Tribo-Corrosion, 2017, 3, 1.	2.6	7
8	lodine mediated rearrangement of tetraarylpiperidin-4-ones: Synthesis, structure analysis and biological studies of 5-aryl-2-methoxy-2,4-diphenyl-1H-pyrrole-3-ones. Journal of Molecular Structure, 2020, 1199, 126980.	3.6	7
9	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. Journal of Molecular Structure, 2021, 1229, 129653.	3.6	6
10	Experimental and computational approach of an expired antibiotic drug Kynurenic acid as an efficient corrosion inhibitor for mild steel in HNO3 medium. Journal of the Iranian Chemical Society, 2022, 19, 2311-2329.	2.2	6
11	Unprecedented synthesis, 1D, and 2D NMR spectral studies of 2,4,6,11â€ŧetraarylâ€9â€oxaâ€1,5â€diazatricyclo[5.3.1.0 ^{3.8}] undecane via a novel rearrangement. Magnetic Resonance in Chemistry, 2019, 57, 522-529.	1.9	4
12	Experimental and theoretical evaluation of new piperidine and oxaquinuclidine core containing derivatives as an efficient corrosion inhibitor for copper in nitric acid medium. Journal of Adhesion Science and Technology, 2020, 34, 2075-2106.	2.6	4
13	Synthesis, 1D and 2D NMR spectral assignments, and stereochemical studies of some 4,8,9,10-tetraaryl-1,3-diazaadamantan-6-one oximes. Structural Chemistry, 2019, 30, 1929-1939.	2.0	1
14	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. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1867-1871.	0.5	1
15	Ring opening of 2,6â€diarylâ€3,5â€diphenyl piperidineâ€4â€one by acetic acid: Structural studies and Hirshfeld surface analysis of (E)â€4â€arylâ€1,3â€diphenylbutâ€3â€enâ€2â€ones. Journal of Heterocyclic Chemistry, 2021 502-514.	., 5&,	0