

# Gopal Vengatesh

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

201  
citations

1307594

7  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

170  
citing authors

| #  | 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. <i>Journal of Molecular Liquids</i> , 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. <i>Surfaces and Interfaces</i> , 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. <i>Egyptian Journal of Petroleum</i> , 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. <i>Research on Chemical Intermediates</i> , 2019, 45, 4395-4415.                       | 2.7 | 12        |
| 5  | Surface Protection and Morphological Study of Copper by Green Corrosion Inhibitor: 8QSC in HNO <sub>3</sub> Medium. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 1168-1180.   | 0.9 | 11        |
| 6  | 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         |
| 7  | 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         |
| 8  | 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         |
| 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. <i>Journal of Molecular Structure</i> , 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 HNO <sub>3</sub> medium. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2311-2329.                | 2.2 | 6         |
| 11 | Unprecedented synthesis, 1D, and 2D NMR spectral studies of 2,4,6,11-tetraaryl-9-oxa-1,5-diazatricyclo[5.3.1.0 <sup>3,8</sup> ]undecane via a novel rearrangement. <i>Magnetic Resonance in Chemistry</i> , 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. <i>Journal of Adhesion Science and Technology</i> , 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. <i>Structural Chemistry</i> , 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 <sup>3,8</sup> ]undecane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1867-1871.          | 0.5 | 1         |
| 15 | 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         |