

Dhandapani Arumugam

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

165
citations

1162889

8
h-index

1125617

13
g-index

20
all docs

20
docs citations

20
times ranked

102
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis, in vitro and in silico antitumor evaluation of 3-(2,6-dichlorophenyl)-1,5-diphenylpentane-1,5-dione: Structure, spectroscopic, RDG, Hirshfeld and DFT based analyses. <i>Journal of Molecular Structure</i> , 2022, 1251, 132002. | 1.8 | 8 |
| 2 | Synthesis, spectral characterization, intramolecular interactions, electronic nonlinear optical response and molecular docking studies of ethyl-6-methyl-4-(3-(1-methyl-1H-pyrrole-2-carboxamido)phenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate. <i>Journal of Molecular Structure</i> , 2022, 1254, 132387. | 1.8 | 5 |
| 3 | Synthesis, molecular docking of 3-(2-chloroethyl)-2,6-diphenylpiperidin-4-one: Hirshfeld surface, spectroscopic and DFT based analyses. <i>Journal of Molecular Structure</i> , 2022, 1262, 132993. | 1.8 | 24 |
| 4 | Structural, spectral, DFT and Z-scan analysis of (E)-4-fluoro-N-(3,4,5-trimethoxybenzylidene)benzohydrazide for optoelectronics applications. <i>Optik</i> , 2022, 266, 169602. | 1.4 | 6 |
| 5 | Synthesis, crystal structure, Hirshfeld surface, DFT calculations, Z-scan and nonlinear optical studies of novel fluorinated hexahydropyrimidine. <i>Journal of Molecular Structure</i> , 2021, 1228, 129484. | 1.8 | 15 |
| 6 | Crystal structure, Hirshfeld surface and frontier molecular orbital analysis of 10-benzyl-9-(3-ethoxy-4-hydroxyphenyl)-3,3,6,6-tetramethyl-3,4,6,7,9,10-hexahydroacridine-1,8-dione. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 585-588. | 1.0 | 3 |
| 7 | Synthesis, experimental and computational spectroscopic investigations of third-order nonlinear optical material (E)-N-(benzo[1,3]dioxol-5-ylmethylene)benzohydrazide. <i>Journal of Physics D: Applied Physics</i> , 2019, 52, 395102. | 1.3 | 10 |
| 8 | Synthesis, solid state structure, Hirshfeld surface, nonlinear optics and DFT studies on novel bischalcone derivative. <i>Journal of Molecular Structure</i> , 2019, 1180, 798-811. | 1.8 | 7 |
| 9 | Synthesis, rotational, vibrational and transitional spectra investigation on novel ethyl-4-(3-(benzo[d]1,3-dioxole-5-carboxamido)phenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxopyrimidine-5-carboxylate. <i>Journal of Molecular Structure</i> , 2018, 1165, 132-141. | 1.8 | 8 |
| 10 | Synthesis, Spectroscopic, Intramolecular Energy Transfer and Electronic Structure Nonlinear Optical Properties of Novel Tetrahydropyrimidinone. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1222-1232. | 0.1 | 1 |
| 11 | Molecular Spectroscopy and Molecular Docking Studies on (E)-1-(4-Bromobenzylidene) Thiourea. <i>Journal of New Developments in Chemistry</i> , 2018, 1, 62-81. | 0.5 | 5 |
| 12 | Synthesis, crystal growth, structural evaluation and nonlinear optical analysis of ethyl-4-(3,4-dimethoxyphenyl)-6-methyl-2-sulfanylidene-3,4-dihydro-1H-pyrimidine-5-carboxylate. <i>Journal of Molecular Structure</i> , 2017, 1127, 212-225. | 1.8 | 8 |
| 13 | Molecular Investigation and Nonlinear Optical Response of Dihydropyrimidinone: A Comparative Spectroscopic and Quantum Computational Studies. <i>Archives in Chemical Research</i> , 2017, 01, . | 0.2 | 0 |
| 14 | Nonlinear optical investigation of (E)-1-(4-fluorobenzylidene)urea using theoretical calculations. <i>International Journal of Advanced Chemistry</i> , 2017, 6, 26-36. | 0.1 | 0 |
| 15 | Synthesis, single crystal structure, Hirshfeld surface and theoretical investigations on pyrimidine derivative. <i>Chemical Physics Letters</i> , 2016, 655-656, 17-29. | 1.2 | 15 |
| 16 | Synthesis, spectral characterization and density functional theory exploration of 1-(quinolin-3-yl)piperidin-2-ol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 243-257. | 2.0 | 5 |
| 17 | Synthesis and spectroscopical study of rhodanine derivative using DFT approaches. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 261-272. | 2.0 | 14 |
| 18 | Crystal structure of ethyl (2S)-9-methoxy-2-methyl-4-oxo-3,4,5,6-tetrahydro-2H-2,6-methanobenzo[g][1,3,5]oxadiazocine-11-carboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o117-o118. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Molecular structure and vibrational analysis on (E)-1-(3-methyl-2,6-diphenyl piperidin-4-ylidene) semicarbazide. Journal of Molecular Structure, 2014, 1058, 41-50. | 1.8 | 31 |