

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	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
2	Synthesis, molecular docking of 3-(2-chloroethyl)-2,6-diphenylpiperidin-4-one: Hirshfeld surface, spectroscopic and DFT based analyses. Journal of Molecular Structure, 2022, 1262, 132993.	1.8	24
3	Synthesis, single crystal structure, Hirshfeld surface and theoretical investigations on pyrimidine derivative. Chemical Physics Letters, 2016, 655-656, 17-29.	1.2	15
4	Synthesis, crystal structure, Hirshfeld surface, DFT calculations, Z-scan and nonlinear optical studies of novel fluorinated hexahydropyrimidine. Journal of Molecular Structure, 2021, 1228, 129484.	1.8	15
5	Synthesis and spectroscopical study of rhodanine derivative using DFT approaches. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 261-272.	2.0	14
6	Synthesis, experimental and computational spectroscopic investigations of third-order nonlinear optical material (E)-N-(benzo[1,3]dioxol-5-ylmethylene)benzohydrazide. Journal Physics D: Applied Physics, 2019, 52, 395102.	1.3	10
7	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. Journal of Molecular Structure, 2017, 1127, 212-225.	1.8	8
8	Synthesis, rotational, vibrational and transitional spectra investigation on novel ethyl-4-(3-(benzo[d]1,3di-oxole-5-carboxamido)phenyl)-1,2,3,4-tetrahydro-6-methyl-2-oxopyrimidine-5-carboxylate. Journal of Molecular Structure, 2018, 1165, 132-141.	1.8	8
9	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. Journal of Molecular Structure, 2022, 1251, 132002.	1.8	8
10	Synthesis, solid state structure, Hirshfeld surface, nonlinear optics and DFT studies on novel bischalcone derivative. Journal of Molecular Structure, 2019, 1180, 798-811.	1.8	7
11	Structural, spectral, DFT and Z-scan analysis of (E)-4-fluoro-N-(3,4,5-trimethoxybenzylidene)benzohydrazide for optoelectronics applications. Optik, 2022, 266, 169602.	1.4	6
12	Synthesis, spectral characterization and density functional theory exploration of 1-(quinolin-3-yl)piperidin-2-ol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 144, 243-257.	2.0	5
13	Molecular Spectroscopy and Molecular Docking Studies on (E)-1-(4-Bromobenzylidene) Thiourea. Journal of New Developments in Chemistry, 2018, 1, 62-81.	0.5	5
14	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. Journal of Molecular Structure, 2022, 1254, 132387.	1.8	5
15	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. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 585-588.	0.2	5
16	Synthesis, Spectroscopic, Intramolecular Energy Transfer and Electronic Structure Nonlinear Optical Properties of Novel Tetrahydropyrimidinone. Oriental Journal of Chemistry, 2018, 34, 1222-1232.	0.1	1
17	Molecular Investigation and Nonlinear Optical Response of Dihydropyrimidinone: A Comparative Spectroscopic and Quantum Computational Studies. Archives in Chemical Research, 2017, 01, .	0.2	0
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. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o117-o118.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Nonlinear optical investigation of (E)-1-(4-flouorobenzylidene)urea using theoretical calculations. International Journal of Advanced Chemistry, 2017, 6, 26-36.	0.1	0