

Muthuraja Perumal

List of Publications by Year in descending order

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17
papers

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996975

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#	ARTICLE	IF	CITATIONS
1	Hydrogen bonded $\langle \text{mml:math xmlns:mml=$ http://www.w3.org/1998/Math/MathML \rangle $\langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle$ set in inducing charge transfer mechanism in guanidinium-3,5-dinitrobenzoate: A combined experimental, theoretical and Hirshfeld surface study. Journal of Molecular Structure, 2017, 1137, 649-662.	3.6	42
2	Single crystal X-ray diffraction and Hirshfeld surface analyses of supramolecular assemblies in certain hydrogen bonded heterocyclic organic crystals. Journal of Molecular Structure, 2016, 1122, 146-156.	3.6	35
3	Hydrogen bonding interactions and supramolecular assemblies in 2-amino guanidinium 4-methyl benzene sulphonate crystal structure: Hirshfeld surfaces and computational calculations. Journal of Molecular Structure, 2017, 1146, 723-734.	3.6	35
4	Molecular properties, crystal structure, Hirshfeld surface analysis and computational calculations of a new third order NLO organic crystal, 2-aminopyridinium benzilate. Journal of Molecular Structure, 2019, 1181, 118-130.	3.6	34
5	Theoretical and experimental evaluation of a new organic proton transfer crystal aminoguanidinium p-nitrobenzoate monohydrate for optical limiting applications. Journal of Physics and Chemistry of Solids, 2017, 111, 82-94.	4.0	31
6	Ligand based pharmacophoric modelling and docking of bioactive pyrazolium 3-nitrophthalate (P3NP) on <i>Bacillus subtilis</i> , <i>Aspergillus fumigatus</i> and <i>Aspergillus niger</i> $\hat{\text{a}}^{\text{e}}$ Computational and Hirshfeld surface analysis. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 352-365.	3.8	29
7	Biological and spectral studies of O-Tolyl Biguanide: Experimental and theoretical approach. Journal of Molecular Structure, 2017, 1128, 290-299.	3.6	24
8	Influence of intramolecular hydrogen bonding interaction on the molecular properties of N-p-tolyl-5-oxo pyrrolidine-3-carboxylic acid: A theoretical and experimental study. Chemical Physics Letters, 2018, 691, 114-121.	2.6	22
9	Hydrogen bonding interactions on 1H-1,2,3-triazole based crystals: Featuring experimental and theoretical analysis. Current Applied Physics, 2018, 18, 774-784.	2.4	15
10	Biological applications and spectroscopic investigations of 4-nitrophenol-urea dimer: A DFT approach. Chemical Physics Letters, 2016, 645, 59-70.	2.6	11
11	Bioactivity of a radical scavenger bis(pyrazolium $\langle i \rangle \langle /i \rangle$ -toluenesulphonate) on ctDNA and certain microbes: a combined experimental and theoretical analysis. Toxicology Research, 2019, 8, 421-431.	2.1	6
12	Hydrogen bonding interactions on molecular properties of pesticidal compound 4-nitrophthalic acid: experimental density functional theory computations, electron localized function, localized orbital locator analysis and molecular docking scrutiny. Spectroscopy Letters, 2022, 55, 362-372.	1.0	6
13	Analyzing integrated $\hat{\text{I}} \hat{\text{a}} \hat{\text{e}} \hat{\text{I}}$, C $\hat{\text{H}} \hat{\text{a}} \hat{\text{e}} \hat{\text{I}}$ and hydrogen bonding interactions in N,N-Dimethyl-4-aminopyridinium benzilate. Journal of Molecular Structure, 2021, 1242, 130717.	3.6	3
14	Supramolecular interactions in itaconic acid-2-amino-4,6-dimethylpyrimidine molecular adduct: Physicochemical characterisation and quantum chemical calculations for the molecular adduct. Journal of Physics and Chemistry of Solids, 2019, 129, 284-292.	4.0	2
15	Chlorine directed $\hat{\text{C}} \hat{\text{a}} \hat{\text{e}} \hat{\text{C}} \hat{\text{l}} \hat{\text{a}} \hat{\text{e}} \hat{\text{I}}$ and $\hat{\text{C}} \hat{\text{a}} \hat{\text{e}} \hat{\text{H}} \hat{\text{a}} \hat{\text{e}} \hat{\text{C}} \hat{\text{l}}$ interactions in acridinium 3,5-dichlorosalicylate: Synthesis, X-ray diffraction and theoretical analysis. Journal of Molecular Structure, 2020, 1220, 128759.	3.6	2
16	Growth and characterization of metal halide perovskite crystals: Benzyltributyl ammonium tetrachloro manganate(II) monohydrate. AIP Conference Proceedings, 2018, , .	0.4	0
17	Structural, spectral, physicochemical, computational studies and pharmacological screening of a new organic salt: 2, 6-diaminopyridinium-2-nitrobenzoate. Journal of Molecular Structure, 2019, 1178, 692-701.	3.6	0