# R Meenakshi

## List of Publications by Year in descending order



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|---|---|---|---|
| 17 papers | 259 citations | 1163117 8 h-index | 940533 16 g-index |
| 17 all docs | 17 docs citations | 17 times ranked | 313 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vibrational spectroscopic (FTIR and FT-Raman), first-order hyperpolarizablity, HOMO, LUMO, NBO, Mulliken charge analyses of 2-ethylimidazole based on Hartreeâ€“Fock and DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 493-501. | 3.9 | 44 |
| 2 | Spectral investigations, DFT based global reactivity descriptors, Inhibition efficiency and analysis of 5-chloro-2-nitroanisole as Ï€-spacer with donor-acceptor variations effect for DSSCs performance. Journal of Molecular Structure, 2017, 1127, 694-707. | 3.6 | 41 |
| 3 | Quantum chemical studies on structure of 1-3-dibromo-5-chlorobenzene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 316-326. | 3.9 | 26 |
| 4 | Vibrational spectroscopic studies and DFT calculations of 4-bromo-o-xylene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 419-430. | 3.9 | 25 |
| 5 | PCM/TD-DFT analysis of 1-bromo-2,3-dichlorobenzene â€“ A combined study of experimental (FT-IR and) Tj ETQq1 1 0.784314 rgBT /Ove Spectroscopy, 2013, 105, 497-508. | 3.9 | 25 |
| 6 | Synthesis, growth, structure and spectroscopic characterization of a new organic nonlinear optical hydrogen bonding complex crystal: 3-Carboxyl anilinium p-toluene sulfonate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 114-119. | 3.9 | 22 |
| 7 | Vibrational spectra and theoretical calculations (dimerization, UVâ€“Vis, multinuclear NMR and pes) Tj ETQq1 1 0.784314 rgBT /Overlo Molecular and Biomolecular Spectroscopy, 2014, 117, 739-753. | 3.9 | 19 |
| 8 | Vibrational spectroscopic investigations, first hyperpolarizability, HOMOâ€“LUMO and NMR analyzes of p-fluorobenzonitrile. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 102, 59-65. | 3.9 | 13 |
| 9 | Growth and combined experimental and quantum chemical study of glycyl-L-Valine crystal. Heliyon, 2019, 5, e01574. | 3.2 | 10 |
| 10 | Experimental (FT-IR and FT-Raman) and spectroscopic investigations, electronic properties and conformational analysis by PES scan on 2-methoxy-5-nitrophenol and 2-methoxy-4-methylphenol. RSC Advances, 2016, 6, 21822-21831. | 3.6 | 7 |
| 11 | Synthesis, Crystal Structure and Vibrational Spectral Analysis of Guanidinium Hydrogen L-aspartate Single Crystal. Journal of Physical Science, 2017, 28, 27-47. | 0.9 | 7 |
| 12 | Spectral investigations, inhibition efficiency analysis and a TD-DFT study on tuning the light harvesting efficiency (LHE) of heterocyclic 5-nitro-1,3-benzodioxole as a photosensitizer for dye sensitized solar cells (DSSCs). RSC Advances, 2016, 6, 63690-63703. | 3.6 | 6 |
| 13 | Vibrational, electronic absorption, thermal and mechanical analyses of organic nonlinear optical material guanidinium phthalate. Journal of Molecular Structure, 2017, 1130, 472-479. | 3.6 | 6 |
| 14 | FT-IR and FT-RAMAN analysis and light-harvesting efficiency (LHE) enhancement for DSSC applications of hydrazide derivatives. Journal of the Iranian Chemical Society, 2021, 18, 1179-1198. | 2.2 | 3 |
| 15 | Synthesis, Crystal Growth, Vibrational Spectral Analysis, Optical Thermal and Antimicrobial Properties of Guanidinium Oxalate Monohydrate Single Crystal. Journal of Physical Science, 2017, 28, 31-56. | 0.9 | 3 |
| 16 | Growth, spectral, density functional theory (DFT) and Hirshfeld surface analysis on 4-aminopyridinium adipate monohydrate nonlinear optical single crystal. Materials Science-Poland, 2018, 36, 177-184. | 1.0 | 2 |
| 17 | Growth, density functional theory (DFT) and spectral studies on L-2-aminobutyric acid â€“biologically active material. Journal of Molecular Structure, 2017, 1149, 655-661. | 3.6 | 0 |