Soni Mishra

List of Publications by Year
in descending order

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25	278	933447 10	940533 16
papers	citations	h-index	g-index

25	25	25	335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum chemical study on influence of intermolecular hydrogen bonding on the geometry, the atomic charges and the vibrational dynamics of 2,6-dichlorobenzonitrile. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 464-482.	3.9	35
2	An ab initio and DFT study of structure and vibrational spectra of Î³ form of Oleic acid: Comparison to experimental data. Chemistry and Physics of Lipids, 2010, 163, 207-217.	3.2	34
3	Raman spectroscopic characterization of different regioisomers of monoacyl and diacyl chlorogenic acid. Vibrational Spectroscopy, 2012, 61, 10-16.	2.2	26
4	Molecular Structure and Vibrational Spectroscopic Investigation of Secnidazole Using Density Functional Theory. Journal of Physical Chemistry A, 2009, 113, 273-281.	2.5	22
5	Molecular structure and vibrational spectroscopic analysis of an antiplatelet drug; clopidogrel hydrogen sulphate (form 2) â€“ A combined experimental and quantum chemical approach. Journal of Molecular Structure, 2010, 964, 88-96.	3.6	19
6	Quantum chemical and experimental studies on the structure and vibrational spectra of efavirenz. Vibrational Spectroscopy, 2010, 53, 112-116.	2.2	15
7	Study on the structure and vibrational spectra of efavirenz conformers using DFT: Comparison to experimental data. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 88, 116-123.	3.9	14
8	Highly fluorescent water-soluble PTCA incorporated silver nano-cluster for sensing of dopamine. Materials Chemistry and Physics, 2021, 259, 124086.	4.0	14
9	Vibrational spectroscopy and density functional theory analysis of 3-O-caffeoylquinic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 358-367.	3.9	12
10	Two-Dimensional Correlation Analysis of Temperature-Dependent FT-IR Spectra of Oleic Acid. Spectroscopy Letters, 2013, 46, 21-27.	1.0	10
11	Tuning of adsorption energies of CO2 and CH4 in borocarbonitrides BxCyNz: A first-principles study. Journal of Molecular Graphics and Modelling, 2019, 93, 107446.	2.4	10
12	Vibrational dynamics of poly(Î²â€hydroxybutyrate)â€Î± form. Polymer Engineering and Science, 2009, 49, 850-861.	3.1	9
13	Molecular structure, vibrational spectroscopic, NBO and HOMOâ€“LUMO studies of 2-amino 6-bromo 3-formylchromone. Molecular Simulation, 2012, 38, 567-581.	2.0	9
14	Ab initio and experimental studies on structure and vibrational spectra of some partially reduced benzo[c]phenanthrenes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 82-101.	3.9	7
15	Thermal degradation and theoretical interpretation of vibrational spectra of poly (Î²,l-malic acid). Polymer, 2011, 52, 3118-3126.	3.8	7
16	DFT study of structure and vibrational spectra of ceramide 3: comparison to experimental data. Molecular Simulation, 2012, 38, 872-881.	2.0	6
17	Study of molecular structure and vibrational spectra of poly (Î²,-l-malic acid) [PMLA] using DFT approach. Polymer, 2012, 53, 2681-2690.	3.8	6
18	A comparative study of vibrational dynamics of Î±- and Î²-forms of poly(Î²-hydroxybutyrate). Vibrational Spectroscopy, 2011, 56, 89-95.	2.2	5

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19	Effects of chlorpromazine drug on DPPC lipid: Density functional theory study. International Journal of Environmental Analytical Chemistry, 2019, , 1-12.	3.3	5
20	Conformational symmetry and vibrational dynamics of polymers. Pure and Applied Chemistry, 2009, 81, 549-569.	1.9	4
21	Tip enhanced Raman spectroscopy, DFT and PED calculations of 4â€³-trimethylsilylethylsulfanyl-4,4â€²-di(phenyleneethynylene)benzene thiol adsorbed on silver. Journal of Molecular Structure, 2015, 1099, 534-542.	3.6	3
22	Raman microspectroscopic and quantum chemical investigations of neuroleptic drugs interactions with dipalmitoylphosphatidylcholine (DPPC) lipid. Vibrational Spectroscopy, 2021, 114, 103242.	2.2	3
23	Nuclear magnetic resonance, vibrational spectroscopic studies, physico-chemical properties and computational calculations on (nitrophenyl) octahydroquinolindiones by DFT method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 221-233.	3.9	2
24	Structure and vibrational spectra of some 8-oxa[5]helicenes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1090-1096.	3.9	1
25	First-principles calculations on structure and electronic properties of Î±-zirconium hydrogen phosphate. MRS Advances, 2019, 4, 2699-2707.	0.9	0