

M Prasath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11919783/publications.pdf>

Version: 2024-02-01

16
papers

214
citations

933447

10
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	FT-IR, FT-Raman spectra and ab initio HF and DFT calculations of 7-chloro-5-(2-chlorophenyl)-3-hydroxy-2,3-dihydro-1H-1,4-benzodiazepin-2-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 185-194.	3.9	25
2	Spectroscopic (FT-IR, FT-Raman, UV-Vis), quantum chemical calculation and molecular docking evaluation of liquiritigenin: an influenza A (H1N1) neuraminidase inhibitor. <i>Research on Chemical Intermediates</i> , 2019, 45, 2135-2166.	2.7	21
3	Vibrational spectroscopy investigation using ab initio and DFT vibrational analysis of 7-chloro-2-methylamino-5-phenyl-3H-1,4-benzodiazepine-4-oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 224-235.	3.9	19
4	Probing the vibrational spectroscopic properties and binding mechanism of anti-influenza agent Liquiritin using experimental and computational studies. <i>Research on Chemical Intermediates</i> , 2020, 46, 4475-4507.	2.7	18
5	Quantum chemical studies, vibrational analysis, molecular structure, first order hyper polarizability, NBO and HOMO-LUMO analysis of 3-hydroxybenzaldehyde and its cation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 789-799.	3.9	17
6	In vivo, molecular docking, spectroscopy studies of (S)-2,3-Dihydro-5,7-dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one: A potential uptake PI3/AKT inhibitor. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101086.	3.1	17
7	Vibrational spectra, Hirshfeld surface analysis, molecular docking studies of (RS)-N,N-bis(2-chloroethyl)-1,3,2-oxazaphosphinan-2-amine 2-oxide by DFT approach. <i>Heliyon</i> , 2020, 6, e04641.	3.2	16
8	Vibrational Analysis (FT-IR and FT-Raman Spectra) and Molecular Docking Evaluation of MPTB in GABA Receptor. <i>Journal of Cluster Science</i> , 2019, 30, 1025-1035.	3.3	15
9	Spectroscopic investigations (FT-IR & FT-Raman) and molecular docking analysis of 292-300.	3.6	14
10	Exploring the molecular structure, vibrational spectroscopic, quantum chemical calculation and molecular docking studies of curcumin: A potential PI3K/AKT uptake inhibitor. <i>Heliyon</i> , 2021, 7, e06646.	3.2	13
11	Spectroscopic (FT-IR, FT-Raman) investigations, quantum chemical calculations, ADMET and molecular docking studies of phloretin with B-RAF inhibitor. <i>Chemical Papers</i> , 2021, 75, 3771-3785.	2.2	10
12	Quantum chemical calculations, spectroscopic studies and molecular docking investigations of the anti-cancer drug quercitrin with B-RAF inhibitor. <i>Heliyon</i> , 2022, 8, e09539.	3.2	10
13	Donor functionalized perylene and different π -spacer based sensitizers for dye-sensitized solar cell applications – a theoretical approach. <i>Journal of Molecular Modeling</i> , 2022, 28, 102.	1.8	6
14	Exploring the screening of perylene based organic sensitizers with different lengths and functional groups of acceptors via computational spectroscopic analysis. <i>Chemical Data Collections</i> , 2021, 34, 100729.	2.3	5
15	Spectroscopic, quantum chemical, ADMET and molecular docking studies of echinatin: a prospective tuberculosis drug. <i>Research on Chemical Intermediates</i> , 2022, 48, 2363-2390.	2.7	5
16	Vibrational Assignments, First-Order Hyperpolarizability and Molecular Structure of 5-(2-Chlorophenyl)-7-nitro-2,3-dihydro-1,4-benzodiazepine-2-one by Hartree-Fock and Density Functional Theory Calculations. <i>Asian Journal of Chemistry</i> , 2013, 25, 6771-6776.	0.3	3