

Y Sheena Mary

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6741572/publications.pdf>

Version: 2024-02-01

204
papers

5,003
citations

100601

38
h-index

223390

49
g-index

211
all docs

211
docs citations

211
times ranked

2077
citing authors

#	ARTICLE	IF	CITATIONS
1	FT-IR, FT-Raman and SERS spectra of L-proline. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 138-144.	1.2	90
2	Synthesis and spectroscopic study of three new oxadiazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential. <i>Journal of Molecular Structure</i> , 2018, 1173, 469-480.	1.8	83
3	FT-IR, FT-Raman, SERS and computational study of 5-ethylsulphonyl-2-(o-chlorobenzyl)benzoxazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 617-625.	2.0	77
4	Two neoteric pyrazole compounds as potential anti-cancer agents: Synthesis, electronic structure, physico-chemical properties and docking analysis. <i>Journal of Molecular Structure</i> , 2019, 1181, 455-466.	1.8	75
5	Synthesis, spectral properties, chemical descriptors and light harvesting studies of a new bioactive azo imidazole compound. <i>Journal of Molecular Structure</i> , 2020, 1199, 127035.	1.8	75
6	Exploring the detailed spectroscopic characteristics, chemical and biological activity of two cyanopyrazine-2-carboxamide derivatives using experimental and theoretical tools. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117414.	2.0	69
7	Molecular structure, FT-IR, vibrational assignments, HOMO-LUMO analysis and molecular docking study of 1-[5-(4-Bromophenyl)-3-(4-fluorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]ethanone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 473-482.	2.0	67
8	FT-IR, NBO, HOMO-LUMO, MEP analysis and molecular docking study of 1-[3-(4-Fluorophenyl)-5-phenyl-4,5-dihydro-1H-pyrazol-1-yl]ethanone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 483-493.	2.0	65
9	Synthesis, characterization and biological investigation of glycine-based sulfonamide derivative and its complex: Vibration assignment, HOMO-LUMO analysis, MEP and molecular docking. <i>Journal of Molecular Structure</i> , 2019, 1181, 244-252.	1.8	63
10	Vibrational spectra, HOMO, LUMO, NBO, MEP analysis and molecular docking study of 2,2-diphenyl-4-(piperidin-1-yl)butanamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 543-556.	2.0	59
11	Synthesis and spectroscopic study of two new pyrazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential. <i>Journal of Molecular Structure</i> , 2019, 1181, 599-612.	1.8	59
12	Vibrational spectroscopic studies, Fukui functions, HOMO-LUMO, NLO, NBO analysis and molecular docking study of (E)-1-(1,3-benzodioxol-5-yl)-4,4-dimethylpent-1-en-3-one, a potential precursor to bioactive agents. <i>Journal of Molecular Structure</i> , 2016, 1123, 375-383.	1.8	58
13	Vibrational spectroscopic studies and ab initio calculations of 5-nitro-2-(p-fluorophenyl)benzoxazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 566-571.	2.0	57
14	Vibrational spectroscopic, molecular structure, first hyperpolarizability and NBO studies of 4-methylbiphenyl-2-carbonitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 91-99.	2.0	56
15	IR, Raman, SERS and computational study of 2-(benzylsulfanyl)-3,5-dinitrobenzoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 28-36.	2.0	56
16	Understanding reactivity of two newly synthesized imidazole derivatives by spectroscopic characterization and computational study. <i>Journal of Molecular Structure</i> , 2018, 1158, 176-196.	1.8	56
17	Molecular structure, FT-IR, NBO, HOMO and LUMO, MEP and first order hyperpolarizability of (2E)-1-(2,4-Dichlorophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one by HF and density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 81-92.	2.0	53
18	Molecular dynamic simulations, ALIE surface, Fukui functions geometrical, molecular docking and vibrational spectra studies of tetra chloro p and m-xylene. <i>Journal of Molecular Structure</i> , 2018, 1171, 253-267.	1.8	53

#	ARTICLE	IF	CITATIONS
19	Experimental and computational analysis of 1-(4-chloro-3-nitrophenyl)-3-(3,4-dichlorophenyl)thiourea. <i>Journal of Molecular Structure</i> , 2020, 1205, 127587.	1.8	53
20	Stability and reactivity study of bio-molecules brucine and colchicine towards electrophile and nucleophile attacks: Insight from DFT and MD simulations. <i>Journal of Molecular Liquids</i> , 2021, 335, 116192.	2.3	53
21	A complete computational and spectroscopic study of 2-bromo-1, 4-dichlorobenzene – A frequently used benzene derivative. <i>Journal of Molecular Structure</i> , 2018, 1151, 245-255.	1.8	51
22	Spectroscopic investigations, NBO, HOMO–LUMO, NLO analysis and molecular docking of 5-(adamantan-1-yl)-3-anilinomethyl-2,3-dihydro-1,3,4-oxadiazole-2-thione, a potential bioactive agent. <i>Journal of Molecular Structure</i> , 2015, 1096, 1-14.	1.8	50
23	DFT and experimental (FT-IR and FT-Raman) investigation of vibrational spectroscopy and molecular docking studies of 2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)-N-(3,4,5-trimethoxyphenyl)acetamide. <i>Journal of Molecular Structure</i> , 2016, 1113, 133-145.	1.8	49
24	Spectroscopic analysis and molecular docking of imidazole derivatives and investigation of its reactive properties by DFT and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2018, 1158, 156-175.	1.8	49
25	Comprehensive quantum mechanical studies on three bioactive anastrozole based triazole analogues and their SERS active graphene complex. <i>Journal of Molecular Structure</i> , 2020, 1217, 128388.	1.8	49
26	Investigation of spectroscopic, reactive, transport and docking properties of 1-(3,4-dichlorophenyl)-3-[3-(trifluoromethyl)phenyl]thiourea (ANF-6): Combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2017, 1134, 668-680.	1.8	48
27	Synthesis, characterization and computational studies of semicarbazide derivative. <i>Journal of Molecular Liquids</i> , 2018, 272, 481-495.	2.3	48
28	Cocrystals of pyrazinamide with p-toluenesulfonic and ferulic acids: DFT investigations and molecular docking studies. <i>Journal of Molecular Structure</i> , 2019, 1175, 916-926.	1.8	48
29	Quantum mechanical and photovoltaic studies on the cocrystals of hydrochlorothiazide with isonazid and malonamide. <i>Journal of Molecular Structure</i> , 2019, 1197, 719-726.	1.8	48
30	DFT and molecular docking investigations of oxacam derivatives. <i>Heliyon</i> , 2019, 5, e02175.	1.4	47
31	Hybrid and bioactive cocrystals of pyrazinamide with hydroxybenzoic acids: Detailed study of structure, spectroscopic characteristics, other potential applications and noncovalent interactions using SAPT. <i>Journal of Molecular Structure</i> , 2020, 1202, 127316.	1.8	47
32	Vibrational spectroscopic studies and computational study of quinoline-2-carbaldehyde benzoyl hydrazone. <i>Journal of Molecular Structure</i> , 2010, 973, 36-46.	1.8	46
33	Spectroscopic, single crystal XRD structure, DFT and molecular dynamics investigation of 1-(3-chloro-4-fluorophenyl)-3-[3-(trifluoromethyl)phenyl]thiourea. <i>RSC Advances</i> , 2016, 6, 111997-112015.	1.7	46
34	FT-IR, FT-Raman and NMR characterization of 2-isopropyl-5-methylcyclohexyl quinoline-2-carboxylate and investigation of its reactive and optoelectronic properties by molecular dynamics simulations and DFT calculations. <i>Journal of Molecular Structure</i> , 2017, 1127, 124-137.	1.8	46
35	Conformational profile, vibrational assignments, NLO properties and molecular docking of biologically active herbicide 1,1-dimethyl-3-phenylurea. <i>Heliyon</i> , 2019, 5, e01987.	1.4	46
36	Detailed spectra, electronic properties, qualitative non-covalent interaction analysis, solvatochromism, docking and molecular dynamics simulations in different solvent atmosphere of cenobamate. <i>Structural Chemistry</i> , 2020, 31, 2475-2485.	1.0	45

#	ARTICLE	IF	CITATIONS
37	Theoretical Studies on the Structure and Various Physico-Chemical and Biological Properties of a Terphenyl Derivative with Immense Anti-Protozoan Activity. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 825-840.	1.4	44
38	Modification of benzoxazole derivative by bromine-spectroscopic, antibacterial and reactivity study using experimental and theoretical procedures. <i>Journal of Molecular Structure</i> , 2017, 1141, 495-511.	1.8	43
39	Theoretical investigations on the molecular structure, vibrational spectral, HOMO-LUMO and NBO analysis of 9-[3-(Dimethylamino)propyl]-2-trifluoro-methyl-9H-thioxanthen-9-ol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 491-501.	2.0	42
40	Spectroscopic, DFT, molecular dynamics and molecular docking study of 1-butyl-2-(4-hydroxyphenyl)-4,5-dimethyl-imidazole 3-oxide. <i>Journal of Molecular Structure</i> , 2017, 1134, 330-344.	1.8	42
41	Spectroscopic analysis of 8-hydroxyquinoline derivatives and investigation of its reactive properties by DFT and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2018, 1156, 336-347.	1.8	42
42	Concentration and solvent dependent SERS, DFT, MD simulations and molecular docking studies of a thioxothiazolidine derivative with antimicrobial properties. <i>Journal of Molecular Liquids</i> , 2021, 329, 115582.	2.3	40
43	Vibrational spectroscopic and quantum chemical calculations of (E)-N-Carbamimidoyl-4-((naphthalen-1-yl-methylene)amino)benzene sulfonamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 29-39.	2.0	39
44	Molecular conformational analysis, vibrational spectra, NBO, NLO, HOMO-LUMO and molecular docking studies of ethyl 3-(E)-(anthracen-9-yl)prop-2-enoate based on density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 533-542.	2.0	39
45	Spectroscopic characterization of 1-[3-(1H-imidazol-1-yl)propyl]-3-phenylthiourea and assessment of reactive and optoelectronic properties employing DFT calculations and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2017, 1129, 72-85.	1.8	39
46	Single crystal XRD, DFT investigations and molecular docking study of 2-((1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)amino)naphthalene-1,4-dione as a potential anti-cancer lead molecule. <i>Computational Biology and Chemistry</i> , 2019, 78, 153-164.	1.1	39
47	Spectroscopic, quantum mechanical studies, ligand protein interactions and photovoltaic efficiency modeling of some bioactive benzothiazolinone acetamide analogs. <i>Chemical Papers</i> , 2020, 74, 1957-1964.	1.0	39
48	Vibrational spectroscopic studies and computational study of 4-fluoro-N-(2-hydroxy-4-nitrophenyl)phenylacetamide. <i>Journal of Molecular Structure</i> , 2011, 994, 223-231.	1.8	38
49	FT-IR, FT-Raman and computational study of (E)-N-carbamimidoyl-4-((4-methoxybenzylidene)amino)benzenesulfonamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 84-90.	2.0	37
50	FT-IR, FT-Raman, surface enhanced Raman scattering and computational study of 2-(p-fluorobenzyl)-6-nitrobenzoxazole. <i>Journal of Molecular Structure</i> , 2012, 1012, 22-30.	1.8	37
51	Spectroscopic investigation (FT-IR and FT-Raman), vibrational assignments, HOMO-LUMO analysis and molecular docking study of 2-(Adamantan-1-yl)-5-(4-nitrophenyl)-1,3,4-oxadiazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 973-983.	2.0	37
52	Molecular structure, spectroscopic, dielectric and thermal study, nonlinear optical properties, natural bond orbital, HOMO-LUMO and molecular docking analysis of (C ₆ Cl ₂ O ₄) (C ₁₀ H ₁₄ N ₂ F) ₂ ·2H ₂ O. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 328-339.	2.0	37
53	Detailed quantum mechanical, molecular docking, QSAR prediction, photovoltaic light harvesting efficiency analysis of benzil and its halogenated analogues. <i>Heliyon</i> , 2019, 5, e02825.	1.4	37
54	Spectroscopic investigations and computational study of 2-acetyl(4-bromophenyl)carbamoyl-4-chlorophenyl acetate. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 707-716.	1.2	36

#	ARTICLE	IF	CITATIONS
55	FT-IR, molecular structure, first order hyperpolarizability, HOMO and LUMO analysis, MEP and NBO analysis of 2-(4-chlorophenyl)-2-oxoethyl 3-nitrobenzoate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 208-219.	2.0	36
56	Infrared spectrum, structural and optical properties and molecular docking study of 3-(4-fluorophenyl)-5-phenyl-4,5-dihydro-1H-pyrazole-1-carbaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 529-538.	2.0	36
57	Structural study of letrozole and metronidazole and formation of self-assembly with graphene and fullerene with the enhancement of physical, chemical and biological activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5509-5515.	2.0	36
58	Vibrational spectroscopic analysis of cyanopyrazine-2-carboxamide derivatives and investigation of their reactive properties by DFT calculations and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2017, 1131, 1-15.	1.8	35
59	Intricate spectroscopic profiling, light harvesting studies and other quantum mechanical properties of 3-phenyl-5-isooxazolone using experimental and computational strategies. <i>Journal of Molecular Structure</i> , 2020, 1203, 127461.	1.8	35
60	Adsorption of adipic acid in Al/B-N/P nanocages: DFT investigations. <i>Journal of Molecular Modeling</i> , 2021, 27, 113.	0.8	35
61	DFT of 5-Fluoro-2-Oxo-1H-Pyrazine-3-Carboxamide (OPC) Adsorption, Spectroscopic, Solvent Effect, and SERS Analysis. <i>Journal of Molecular Liquids</i> , 2022, 357, 119076.	2.3	35
62	DFT and molecular docking studies of self-assembly of sulfone analogues and graphene. <i>Journal of Molecular Modeling</i> , 2020, 26, 273.	0.8	34
63	Modeling the conformational preference, spectroscopic properties, UV light harvesting efficiency, biological receptor inhibitory ability and other physico-chemical properties of five imidazole derivatives using quantum mechanical and molecular mechanics tools. <i>Journal of Molecular Liquids</i> , 2020, 310, 112871.	2.3	34
64	Theoretical investigation on the reactive and interaction properties of sorafenib " DFT, AIM, spectroscopic and Hirshfeld analysis, docking and dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021, 330, 115652.	2.3	34
65	Concentration and pH dependent SERS spectra of sulfanilic acid sodium salt on colloidal silver particles. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 944-951.	1.2	33
66	Vibrational spectra and computational study of 3-amino-2-phenyl quinazolin-4(3H)-one. <i>Journal of Molecular Structure</i> , 2010, 963, 137-144.	1.8	32
67	Molecular conformational analysis, vibrational spectra, NBO analysis and first hyperpolarizability of (2E)-3-(3-chlorophenyl)prop-2-enoic anhydride based on density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 471-483.	2.0	32
68	Spectroscopic investigation (FT-IR, FT-Raman and SERS), vibrational assignments, HOMO " LUMO analysis and molecular docking study of Opipramol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 547-559.	2.0	32
69	Spectral analysis and DFT investigation of some benzopyran analogues and their self-assemblies with graphene. <i>Journal of Molecular Liquids</i> , 2020, 317, 113924.	2.3	32
70	Utilization of doped/undoped graphene quantum dots for ultrasensitive detection of duphaston, a SERS platform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118865.	2.0	30
71	Infrared and Raman spectroscopic analyses and theoretical computation of 4-butyl-1-(4-hydroxyphenyl)-2-phenyl-3,5-pyrazolidinedione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 101-109.	2.0	29
72	FT-IR, FT-Raman and computational study of 1H-2,2-dimethyl-3H-phenothiazin-4[10H]-one. <i>Journal of Molecular Structure</i> , 2011, 985, 316-322.	1.8	28

#	ARTICLE	IF	CITATIONS
73	Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamidobenzoxazole Compounds with Potential Light Harvesting Properties. Polycyclic Aromatic Compounds, 2021, 41, 1563-1579.	1.4	28
74	DFT computational study towards investigating psychotropic drugs, promazine and trifluoperazine adsorption on graphene, fullerene and carbon cyclic ring nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119012.	2.0	28
75	Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. Journal of Molecular Liquids, 2021, 342, 116942.	2.3	28
76	Evidence of cluster formation of pyrrole with mixed silver metal clusters, Ag _x -My (x=4,5, y=2/1 and) Tj ETQq0 0.0 rgBT /Overlock 10	1.1	28
77	FT-IR, FT-Raman, and computational calculations of 4-chloro-2-(3-chlorophenyl carbamoyl)phenyl acetate. Journal of Raman Spectroscopy, 2009, 40, 2176-2186.	1.2	27
78	Molecular conformational analysis, vibrational spectra, NBO analysis and first hyperpolarizability of (2E)-3-phenylprop-2-enoic anhydride based on density functional theory calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 638-646.	2.0	27
79	Theoretical investigations on the molecular structure, vibrational spectra, HOMO-LUMO analyses and NBO study of 1-[(Cyclopropylmethoxy)methyl]-5-ethyl-6-(4-methylbenzyl)-1,2,3,4-tetrahydropyrimidine-2,4-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 639-650.	2.0	26
80	Spectroscopic characterization of 4-[2-(5-Ethylpyridin-2-yl)ethoxy]benzaldehyde oxime and investigation of its reactive properties by DFT calculations and molecular dynamics simulations. Journal of Molecular Structure, 2017, 1128, 245-256.	1.8	26
81	Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties of 3,4-dichlorodiuron. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117580.	2.0	26
82	Evidence of cluster formation of croconic acid with Ag, Au and Cu cages, enhancement of electronic properties and Raman activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120233.	2.0	24
83	Adsorption of Diospyrin on the surface of CC/AlN/AlP/GaN Nanotubes: A DFT investigation. Journal of Molecular Liquids, 2022, 360, 119472.	2.3	24
84	Spectroscopic (FT-IR, FT-Raman) investigations and quantum chemical calculations of 1,7,8,9-tetrachloro-10,10-dimethoxy-4-[3-[4-(3-methoxyphenyl)piperazin-1-yl]propyl]-4-azatricyclo[5.2.1.0 ^{2,6}]dec-8-ene-3,5-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 438-450.	1.0	24
85	DFT, SERS-concentration and solvent dependent and docking studies of a bioactive benzenesulfonamide derivative. Journal of Molecular Structure, 2021, 1228, 129680.	1.8	23
86	Spectroscopic analysis of 8-hydroxyquinoline-5-sulphonic acid and investigation of its reactive properties by DFT and molecular dynamics simulations. Journal of Molecular Structure, 2017, 1150, 540-552.	1.8	22
87	Spectroscopic characterization of hydroxyquinoline derivatives with bromine and iodine atoms and theoretical investigation by DFT calculations, MD simulations and molecular docking studies. Journal of Molecular Structure, 2018, 1167, 95-106.	1.8	22
88	FT-IR, molecular structure, HOMO-LUMO, MEP, NBO analysis and first order hyperpolarizability of Methyl 4,4-difluoro-5-methoxy-1,1,2,3,1,1,1-terphenyl-4-carboxylate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 480-488.	1.0	21
89	Investigation of the reactivity properties of a thiourea derivative with anticancer activity by DFT and MD simulations. Journal of Molecular Modeling, 2021, 27, 217.	0.8	21
90	Adsorption behavior and solvent effects of an adamantane-triazole derivative on metal clusters - DFT simulation studies. Journal of Molecular Liquids, 2022, 345, 118242.	2.3	21

#	ARTICLE	IF	CITATIONS
91	Spectroscopic (FT-IR, FT-Raman), first order hyperpolarizability, NBO analysis, HOMO and LUMO analysis of 1,7,8,9-tetrachloro-10,10-dimethoxy-4-[3-(4-phenylpiperazin-1-yl)propyl]-4-azatricyclo[5.2.1.0 ^{2,6}]dec-8-ene-3,5-dione by density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 500-513.	2.0	20
92	Spectroscopic investigation (FT-IR and FT-Raman), vibrational assignments, HOMO and LUMO analysis and molecular docking study of 1-hydroxy-4,5,8-tris(4-methoxyphenyl) anthraquinone. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 110-121.	1.9	20
93	Synthesis, crystal structure analysis, spectral investigations, DFT computations and molecular dynamics and docking study of 4-benzyl-5-oxomorpholine-3-carbamide, a potential bioactive agent. <i>Journal of Molecular Structure</i> , 2017, 1134, 25-39.	1.8	20
94	Detailed Electronic Structure, Physico-Chemical Properties, Excited State Properties, Virtual Bioactivity Screening and SERS Analysis of Three Guanine Based Antiviral Drugs Valacyclovir HCl Hydrate, Acyclovir and Ganciclovir. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1260-1270.	1.4	20
95	Spectroscopic investigations, concentration dependent SERS, and molecular docking studies of a benzoic acid derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119265.	2.0	20
96	Optoelectronic properties of the newly designed 1,3,5-triazine derivatives with isatin, chalcone and acridone moieties. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113160.	1.1	20
97	DFT computational study of trihalogenated aniline derivative's adsorption onto graphene/fullerene/fullerene-like nanocages, X ₁₂ Y ₁₂ (X = Al, B, and Y = N, P). <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8630-8643.		20
98	Modeling the DFT structural and reactivity studies of a pyrimidine -6-carboxylate derivative with reference to its wavefunction-dependent, MD simulations and evaluation for potential antimicrobial activity. <i>Journal of Molecular Structure</i> , 2021, 1237, 130397.	1.8	20
99	DFT study of 6-amino-3-(1-hydroxyethyl) pyridine-2,4-diol (AHP) adsorption on Coronene. <i>Journal of Molecular Liquids</i> , 2022, 360, 119436.	2.3	20
100	Synthesis, spectroscopic analyses (FT-IR and NMR), vibrational study, chemical reactivity and molecular docking study and anti-tubercular activity of condensed oxadiazole and pyrazine derivatives. <i>Journal of Molecular Structure</i> , 2018, 1156, 657-674.	1.8	19
101	Detailed Quantum Mechanical Studies on Three Bioactive Benzimidazole Derivatives and Their Raman Enhancement on Adsorption over Graphene Sheets. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 2581-2590.	1.4	19
102	Concentration dependent SERS, DFT and molecular docking studies of a ureido derivative with antitubercular properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119329.	2.0	19
103	Structural and reactivity studies of pravadoline - An ionic liquid, with reference to its wavefunction-relative properties using DFT and MD simulation. <i>Journal of Molecular Structure</i> , 2021, 1245, 131074.	1.8	19
104	New quinolone derivative: Spectroscopic characterization and reactivity study by DFT and MD approaches. <i>Journal of Molecular Structure</i> , 2017, 1135, 1-14.	1.8	18
105	Synthesis, XRD single crystal structure analysis, vibrational spectral analysis, molecular dynamics and molecular docking studies of 2-(3-methoxy-4-hydroxyphenyl) benzothiazole. <i>Journal of Molecular Structure</i> , 2017, 1148, 282-292.	1.8	18
106	Synthesis, spectroscopic analyses, chemical reactivity and molecular docking study and anti-tubercular activity of pyrazine and condensed oxadiazole derivatives. <i>Journal of Molecular Structure</i> , 2018, 1164, 459-469.	1.8	18
107	Theoretical model study of adsorbed antimalarial-graphene dimers: doping effects, photophysical parameters, intermolecular interactions, edge adsorption, and SERS. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 13581-13592.	2.0	18
108	Adsorption of a thione bioactive derivative over different silver/gold clusters - DFT investigations. <i>Computational and Theoretical Chemistry</i> , 2022, 1207, 113497.	1.1	18

#	ARTICLE	IF	CITATIONS
109	Spectroscopic investigation (FT-IR and FT-Raman), vibrational assignments, HOMO/LUMO, NBO, MEP analysis and molecular docking study of 2-[(4-chlorobenzyl)sulfanyl]-4-(2-methylpropyl)-6-(phenylsulfanyl)-pyrimidine-5-carbonitrile, a potential chemotherapeutic agent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 130, 413-424.	2.0	17
110	FT-IR, FT-Raman and molecular docking study of ethyl 4-(2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)acetamido)benzoate. <i>Journal of Molecular Structure</i> , 2016, 1111, 9-18.	1.8	17
111	Spectral analysis and detailed quantum mechanical investigation of some acetanilide analogues and their self-assemblies with graphene and fullerene. <i>Journal of Molecular Modeling</i> , 2020, 26, 254.	0.8	17
112	Computational Study of Sorbic Acid Drug Adsorption onto Coronene/Fullerene/Fullerene-Like X12Y12 (X=Al, B and Y=N, P) Nanocages: DFT and Molecular Docking Investigations. <i>Journal of Cluster Science</i> , 2022, 33, 1809-1819.		17
113	Vibrational Spectroscopic Investigations of 4-nitropyrocatechol. <i>Oriental Journal of Chemistry</i> , 2012, 28, 937-941.	0.1	17
114	A foundational theoretical (E, P) adsorption and quinolone docking study: cage ¹² quinolone pairs, optics and possible therapeutic and diagnostic applications. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3630-3646.	2.0	17
115	FT-IR, FT-Raman spectroscopy and computational study of		

#	ARTICLE	IF	CITATIONS
127	1-Alkyl-1-methylpiperazine-1,4-dium salts: Synthetic, acid-base, XRD-analytical, FT-IR, FT-Raman spectral and quantum chemical study. <i>Journal of Molecular Structure</i> , 2015, 1094, 210-236.	1.8	15
128	Molecular structure, FT-IR, vibrational assignments, HOMO-LUMO, MEP, NBO analysis and molecular docking study of ethyl-6-(4-chlorophenyl)-4-(4-fluorophenyl)-2-oxocyclohex-3-ene-1-carboxylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 73-84.	2.0	15
129	Vibrational spectroscopic analysis, molecular dynamics simulations and molecular docking study of 5-nitro-2-phenoxy methyl benzimidazole. <i>Journal of Molecular Structure</i> , 2017, 1129, 86-97.	1.8	15
130	DFT, molecular docking and SERS (concentration and solvent dependant) investigations of a methylisoxazole derivative with potential antimicrobial activity. <i>Journal of Molecular Structure</i> , 2021, 1232, 130034.	1.8	15
131	Concentration-dependent SERS profile of olanzapine on silver and silver-gold metallic substrates. <i>Chemical Papers</i> , 2021, 75, 6059-6072.	1.0	15
132	Molecular conformational analysis, vibrational spectra, NBO, NLO analysis and molecular docking study of bis[(E)-anthranyl-9-acrylic]anhydride based on density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 350-359.	2.0	14
133	Reactive, spectroscopic and antimicrobial assessments of 5-[(4-methylphenyl)acetamido]-2-(4-tert-butylphenyl)benzoxazole: Combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2017, 1128, 694-706.	1.8	14
134	Quantum chemical DFT study of 4-azatricyclo [5.2.2.0 _{2,6}] undecane-3,5,8-trione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 1559-1565.	2.0	13
135	Insight into the reactive properties of newly synthesized 1,2,4-triazole derivative by combined experimental (FT-IR and FR-Raman) and theoretical (DFT and MD) study. <i>Journal of Molecular Structure</i> , 2017, 1141, 542-550.	1.8	13
136	Surface enhanced Raman scattering investigation of pioglitazone on silver and silver-gold metal substrates - Experimental analysis and theoretical modeling. <i>Journal of Molecular Structure</i> , 2021, 1244, 130992.	1.8	13
137	Spectroscopic analysis (FT-IR, FT-Raman and NMR) and molecular docking study of ethyl 2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)-acetate. <i>Journal of Molecular Structure</i> , 2016, 1119, 451-461.	1.8	12
138	Vibrational spectroscopic investigations and molecular docking studies of biologically active 2-[4-(4-phenylbutanamido)phenyl]-5-ethylsulphonyl-benzoxazole. <i>Journal of Molecular Structure</i> , 2017, 1148, 119-133.	1.8	12
139	Theoretical investigation on the adsorption of melamine in Al ₁₂ /B ₁₂ -N ₁₂ /P ₁₂ fullerene-like nanocages: a platform for ultrasensitive detection of melamine. <i>Chemical Papers</i> , 2022, 76, 225-238.	1.0	12
140	Adsorption of a thione derivative on carbon, AlN, and BN nanotubes: a detailed DFT and MD investigation. <i>Journal of Molecular Modeling</i> , 2022, 28, .	0.8	12
141	Newly synthesized dihydroquinazoline derivative from the aspect of combined spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2017, 1134, 814-827.	1.8	11
142	Conformational, vibrational and DFT studies of a newly synthesized arylpiperazine-based drug and evaluation of its reactivity towards the human GABA receptor. <i>Journal of Molecular Structure</i> , 2017, 1147, 266-280.	1.8	11
143	Spectroscopic characterization of 8-hydroxy-5-nitroquinoline and 5-chloro-8-hydroxy quinoline and investigation of its reactive properties by DFT calculations and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2018, 1164, 525-538.	1.8	11
144	Adsorption properties of dacarbazine with graphene/fullerene/metal nanocages - Reactivity, spectroscopic and SERS analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120677.	2.0	11

#	ARTICLE	IF	CITATIONS
145	Insights into solvation effects, spectroscopic, Hirshfeld surface Analysis, reactivity analysis and anti-Covid-19 ability of doxylamine succinate: Experimental, DFT, MD and docking simulations. <i>Journal of Molecular Liquids</i> , 2022, 361, 119609.	2.3	11
146	Molecular structure, FT-IR, first order hyperpolarizability, NBO analysis, HOMO and LUMO analysis of 2-(4-chlorophenyl)-2-oxoethyl 3-methylbenzoate by HF and density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 327-336.	2.0	10
147	Vibrational spectra, molecular structure, NBO, HOMO and LUMO and first order hyperpolarizability analysis of 1,4-bis(4-formylphenyl)anthraquinone by density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 225-234.	2.0	10
148	Towards the new heterocycle based molecule: Synthesis, characterization and reactivity study. <i>Journal of Molecular Structure</i> , 2017, 1137, 589-605.	1.8	10
149	Supramolecular architecture of 5-bromo-7-methoxy-1-methyl-1H-benzimidazole.3H ₂ O: Synthesis, spectroscopic investigations, DFT computation, MD simulations and docking studies. <i>Journal of Molecular Structure</i> , 2017, 1149, 602-612.	1.8	10
150	Two novel imidazole derivatives – Combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2018, 1173, 221-239.	1.8	10
151	Understanding reactivity of a triazole derivative and its interaction with graphene and doped/undoped-coronene – a DFT study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2316-2326.	2.0	10
152	Modeling the Conformational Preference, Spectral Analysis and Other Quantum Mechanical Studies on Three Bioactive Aminobenzoate Derivatives and Their SERS Active Graphene Complexes. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 2076-2086.	1.4	10
153	Investigation of reactive properties of an antiviral azatricyclo derivative – KDF, MD and docking simulations. <i>Journal of Molecular Structure</i> , 2021, 1230, 129937.	1.8	10
154	Investigation of reactive properties, adsorption on fullerene, DFT, molecular dynamics simulation of an anthracene derivative targeting dihydrofolate reductase and human dUTPase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-10.	2.0	10
155	New Phenoxazine-Based Organic Dyes with Various Acceptors for Dye-Sensitized Solar Cells: Synthesis, Characterization, DSSCs Fabrications and DFT Study. <i>Journal of Computational Biophysics and Chemistry</i> , 2021, 20, 465-476.	1.0	10
156	DFT analysis of valproic acid adsorption onto Al ₁₂ /B ₁₂ -N ₁₂ /P ₁₂ nanocages with solvent effects. <i>Journal of Molecular Modeling</i> , 2022, 28, 98.	0.8	10
157	Vibrational spectroscopic studies and computational calculations of 5-chloro-2-(3-chlorophenylcarbamoyl)phenylacetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 308-316.	2.0	9
158	Vibrational spectroscopic and computational study of 1,7,8,9-Tetrachloro-4-(4-bromo-butyl)-10,10-dimethoxy-4-aza-tricyclo[5.2.1.0 _{2,6}] dec-8-ene-3,5-dione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 480-491.	2.0	9
159	Vibrational spectroscopic studies and molecular docking of 10,10-Dimethylantrone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 652-661.	2.0	9
160	Synthesis, vibrational spectroscopic investigations, molecular docking, antibacterial studies and molecular dynamics study of 5-[(4-nitrophenyl)acetamido]-2-(4-tert-butylphenyl)benzoxazole. <i>Journal of Molecular Structure</i> , 2017, 1133, 557-573.	1.8	9
161	Structure, Spectral Features, Bioactivity and Light Harvesting Properties of Methyl and Dimethyl Anthracene: Experimental and First Principle Studies. <i>Polycyclic Aromatic Compounds</i> , 2019, , 1-15.	1.4	9
162	Cocrystals of hydrochlorothiazide with picolinamide, tetramethylpyrazine and piperazine: quantum mechanical studies, docking and modelling of the photovoltaic efficiency for DSSC. <i>Journal of Molecular Modeling</i> , 2020, 26, 256.	0.8	9

#	ARTICLE	IF	CITATIONS
163	Conformational analysis and quantum descriptors of two bifonazole derivatives of immense anti-tuber potential by using vibrational spectroscopy and molecular docking studies. <i>Structural Chemistry</i> , 2021, 32, 859-867.	1.0	9
164	Modeling the structural and reactivity properties of hydrazono methyl-4H-chromen-4-one derivatives—wavefunction-dependent properties, molecular docking, and dynamics simulation studies. <i>Journal of Molecular Modeling</i> , 2021, 27, 186.	0.8	9
165	Spectroscopic, Solvation Effects and MD Simulation of an Adamantane-Carbohydrazide Derivative, a Potential Antiviral Agent. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2056-2070.	1.4	9
166	Computational study of furosemide-piperazine (FS & PZ) and 2,3,5,6-tetramethylpyrazine (FS-TP) co-crystals. <i>Journal of Molecular Liquids</i> , 2022, 360, 119537.	2.3	9
167	Molecular conformational analysis, reactivity, vibrational spectral analysis and molecular dynamics and docking studies of 6-chloro-5-isopropylpyrimidine-2,4(1H,3H)-dione, a potential precursor to bioactive agent. <i>Journal of Molecular Structure</i> , 2017, 1127, 427-436.	1.8	8
168	Spectroscopic investigations, concentration dependent SERS, and molecular docking studies of a hydroxybenzylidene derivative. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6952-6964.	2.0	8
169	Vibrational spectroscopic studies and computational study of methyl(2-methyl-4,6-dinitrophenylsulfanyl)ethanoate. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 829-838.	1.2	7
170	Structural (SC-XRD), spectroscopic, DFT, MD investigations and molecular docking studies of a hydrazone derivative. <i>Chemical Data Collections</i> , 2020, 30, 100588.	1.1	7
171	DFT and MD simulations and molecular docking of co-crystals of octafluoro-1,4-diiodobutane with phenazine and acridine. <i>Structural Chemistry</i> , 2020, 31, 2525-2531.	1.0	7
172	Theoretical and experimental investigation of a pyrazole derivative- solvation effects, reactivity analysis and MD simulations. <i>Chemical Physics Letters</i> , 2022, 793, 139469.	1.2	7
173	Quantum Mechanical Investigation into the Adsorption Pattern of Clomipramine and Methotrimeprazine HCl with Graphene and Fullerene. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2219-2232.	1.4	7
174	Spectroscopic and reactive properties of a newly synthesized quinazoline derivative: Combined experimental, DFT, molecular dynamics and docking study. <i>Journal of Molecular Structure</i> , 2017, 1134, 863-881.	1.8	6
175	Adsorption of Phenothiazine Derivatives on Graphene — DFT, Docking and MD Simulation. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5626-5637.	1.4	6
176	Conformational Analysis, Spectroscopic Insights, Chemical Descriptors, ELF, LOL and Molecular Docking Studies of Potential Pyrimidine Derivative with Biological Activities. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5160-5170.	1.4	5
177	Spectroscopic and computational study of chromone derivatives with antitumor activity: detailed DFT, QTAIM and docking investigations. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	5
178	DFT and MD investigations of the biomolecules of phenothiazine derivatives: interactions with gold and water molecules and investigations in search of effective drug for SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 4522-4533.	2.0	5
179	Investigation of reactive and spectroscopic properties of oxobutanoic acid derivative: Combined spectroscopic, DFT, MD and docking study. <i>Journal of Molecular Structure</i> , 2017, 1148, 266-275.	1.8	4
180	Utilization of O/S-doped graphene nanoclusters for ultrasensitive detection of flurane derivatives-DFT investigations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 5320-5327.	2.0	4

#	ARTICLE	IF	CITATIONS
181	DFT, docking, MD simulation, and vibrational spectra with SERS analysis of a benzoxazole derivative: an anti-cancerous drug. <i>Chemical Papers</i> , 2021, 75, 4269-4284.	1.0	4
182	Modeling the structure and reactivity landscapes of a pyrazole-ammonium ionic derivative using wavefunction-dependent characteristics and screening for potential anti-inflammatory activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11190-11202.	2.0	3
183	MD, DFT Investigations and Inhibition of the Novel SARS- CoV-2 Mainprotease in Three Cocrystals of Hydrochloro- thiazide. <i>Analytical Chemistry Letters</i> , 2021, 11, 450-468.	0.4	3
184	IR, Raman and DFT Calculations of 5,6-benzo-2-pyrone. <i>Oriental Journal of Chemistry</i> , 2012, 28, 1071-1075.	0.1	3
185	Investigation of the electronic properties of solvents (water, benzene, methanol) using IEFPCM model, spectroscopic investigation with docking and MD simulations of a thiaziazole derivative with anti-tumor activities. <i>Journal of Molecular Liquids</i> , 2022, 348, 118061.	2.3	3
186	Conformational, Reactivity Analysis, Wavefunction-Based Properties, Molecular Docking and Simulations of a Benzamide Derivative with Potential Antitumor Activity-DFT and MD Simulations. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2015-2031.	1.4	3
187	Synthesis, crystal structure and anti-tumour activity studies of 4-Tertiarybutylcyclohexanonethiosemicarbazone. <i>Journal of Molecular Structure</i> , 2022, 1265, 133490.	1.8	3
188	Spectroscopic and Theoretical Studies of Potential Anti-Inflammatory Polycyclic Aromatic Fluorophenyl Substituted Acyclic and Heterocyclic Analogues Synthesized from 4,4- $\text{Difluorophenylchalcone}$. <i>Polycyclic Aromatic Compounds</i> , 2019, , 1-13.	1.4	2
189	Theoretical Studies into the Spectral Characteristics, Biological Activity, and Photovoltaic Cell Efficiency of Four New Polycyclic Aromatic Chalcones. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 608-622.	1.4	2
190	Biological perspective of a triazine derivative with isatin/chalcone/acridone: DFT and docking investigations. <i>Structural Chemistry</i> , 2021, 32, 19-26.	1.0	2
191	Spectroscopic and DFT investigations of 8-hydroxy quinoline-5-sulfonic acid-5-chloro-8-hydroxyquinoline cocrystal. <i>Chemical Papers</i> , 2021, 75, 3387-3399.	1.0	2
192	Genomic variation and point mutations analysis of Indian COVID-19 patient samples submitted in GISAID database. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100156.	1.3	2
193	Theoretical Insights into the Solvation, Electronic, Chemical Properties and Molecular Docking of Some Thiazole Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1546-1556.	1.4	2
194	DFT Conformational, Wavefunction Based Reactivity Analysis, Docking and MD Simulations of a Carboxamide Derivative with Potential Anticancer Activity. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1590-1601.	1.4	2
195	Insights into solvation, chemical reactivity, structural, vibrational and anti-hypertensive properties of a thiazolopyrimidine derivative by DFT and MD simulations. <i>Structural Chemistry</i> , 0, , 1.	1.0	2
196	Vibrational Spectroscopic and First Hyperpolarizability Study of 1-chloro-2-methyl-2-phenylpropane. <i>Material Science Research India</i> , 2012, 9, 159-164.	0.9	1
197	Computational Studies, GERS, Photovoltaic Modelling and Molecular Docking Studies of Diethylstilbestrol and Its Methyl Ether. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-8.	1.4	1
198	Electronic Structure, Solvation Effects and Wave Function Based Properties of a New Triazole Based Symmetric Chromene Derivative of Apigenin. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2810-2822.	1.4	1

#	ARTICLE	IF	CITATIONS
199	Experimental spectra, electronic properties (liquid and gaseous phases) and activity against SARS-CoV-2 main protease of Fluphenazine dihydrochloride: DFT and MD simulations. Journal of Molecular Structure, 2022, 1267, 133633.	1.8	1
200	Computational Evaluation of Molecular Structures and Spectroscopic Properties of Tryptamine Derivatives on Its Binding With Novel Corona Virus Proteins. Polycyclic Aromatic Compounds, 0, , 1-10.	1.4	0
201	Co-crystals of ethenzamide with 2-nitrobenzoic acid - Conformational analysis, MD simulations and DFT investigations. Journal of the Indian Chemical Society, 2022, 99, 100439.	1.3	0
202	Spectroscopic analyses on an azatricycloderivative by DFT with different solvents, reactivity analysis and MD simulations. Journal of Molecular Structure, 2022, 1260, 132845.	1.8	0
203	Exploring the Detailed Spectroscopic Characteristics, Chemical and Biological Activity of Three Pyrone Derivatives Using Experimental and Theoretical Tools. Polycyclic Aromatic Compounds, 0, , 1-10.	1.4	0
204	Spectroscopic, Docking and MD Simulation Analysis of an Adamantane Derivative with Solvation Effects in Different Solvents. Polycyclic Aromatic Compounds, 2023, 43, 4203-4215.	1.4	0