Aida Ben Altabef

List of Publications by Year
in descending order

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72	891	471509 17	580821 25
papers	citations	h-index	g-index

72	72	72	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, spectroscopic and biological study of trifluoroethyl methansulfonate (methylsulfonyl), TFMSMS. Journal of Molecular Structure, 2022, , 133000.	3.6	0
2	A first exploration of isostructurality in transition metal nitroprussides: X-ray analysis, magnetic properties and DFT calculations. CrystEngComm, 2021, 23, 1158-1171.	2.6	3
3	Novel â€˜main-partâ€™ isostructuralism in metal complexes with 1-methylimidazole: crystal structures, energy calculations and magnetic properties. Dalton Transactions, 2021, 50, 17029-17040.	3.3	1
4	Interaction of N-acetylcysteine with DPPC liposomes at different pH: a physicochemical study. New Journal of Chemistry, 2020, 44, 14837-14848.	2.8	10
5	A Raman, SERS and UV-circular dichroism spectroscopic study of N-acetyl-l-cysteine in aqueous solutions. New Journal of Chemistry, 2019, 43, 15201-15212.	2.8	3
6	Interaction of cysteine and its derivatives with monolayers of dipalmitoylphosphatidylcholine. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110548.	5.0	8
7	Interactions of valproic acid with lipid membranes of 1,2-dimyristoyl-sn-glycero-3-phosphocholine. Chemistry and Physics of Lipids, 2019, 218, 125-135.	3.2	2
8	Reorganization of Hydration Water of DPPC Multilamellar Vesicles Induced by <scp>l</scp>-Cysteine Interaction. Journal of Physical Chemistry B, 2018, 122, 5193-5204.	2.6	15
9	Molecular view of the structural reorganization of water in DPPC multilamellar membranes induced by l -cysteine methyl ester. Journal of Molecular Structure, 2018, 1156, 360-368.	3.6	9
10	New coordination polymers based on 2-methylimidazole and transition metal nitroprusside containing building blocks: synthesis, structure and magnetic properties. New Journal of Chemistry, 2018, 42, 1347-1355.	2.8	26
11	Characterization of interactions of eggPC lipid structures with different biomolecules. Chemistry and Physics of Lipids, 2018, 210, 60-69.	3.2	3
12	Synthesis, characterization and crystal structure of 2-chloroethyl(methylsulfonyl)methanesulfonate. New Journal of Chemistry, 2018, 42, 11073-11084.	2.8	7
13	Exploring weak intermolecular interactions in thiocyanate-bonded Zn(<scp>ii</scp>) and Cd(<scp>ii</scp>) complexes with methylimidazole: crystal structures, Hirshfeld surface analysis and luminescence properties. RSC Advances, 2018, 8, 23891-23902.	3.6	36
14	Supramolecular architectures in luminescent Zn(II) and Cd(II) complexes containing imidazole derivatives: Crystal structures, vibrational and thermal properties, Hirshfeld surface analysis and electrostatic potentials. Journal of Molecular Structure, 2017, 1134, 492-503.	3.6	25
15	A detailed exploration of intermolecular interactions in 4-(4-dimethylaminobenzylideneamino)-N-(5-methyl-3-isoxazolyl)benzenesulfonamide and related Schiff bases: Crystal structure, spectral studies, DFT methods, Pixel energies and Hirshfeld surface analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 286-297.	3.9	11
16	Theoretical and experimental study of a new thiosulfonate derivative: Methyl trifluoromethanethiosulfonate, CF 3 SO 2 SCH 3 . Conformational transferability in CX 3 SO 2 S-R compounds. Inorganica Chimica Acta, 2017, 455, 254-261.	2.4	4
17	Experimental and quantum chemical studies on the molecular structure of 3,3,3-trifluoropropane-1-sulfonyl chloride: CF3CH2CH2SO2Cl. Journal of Molecular Structure, 2017, 1127, 377-385.	3.6	1
18	Structure and bonding of 2,2,2-trichloroethylacetate: An experimental gas phase and computational study. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 1253-1260.	0.7	1

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19	Gas-phase structure of 2,2,2-trichloroethyl chloroformate studied by electron diffraction and quantum-chemical calculations. Physical Chemistry Chemical Physics, 2016, 18, 393-402.	2.8	5
20	Molecular view of the interaction of S-methyl methanethiosulfonate with DPPC bilayer. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 38-46.	2.6	18
21	FTIR and Raman analysis of<scp>l</scp>-cysteine ethyl ester HCl interaction with dipalmitoylphosphatidylcholine in anhydrous and hydrated states. Journal of Raman Spectroscopy, 2015, 46, 369-376.	2.5	17
22	Biofilm inhibition by a new Mn(II) complex with sulfamethoxazole: Synthesis, spectroscopic characterization and crystal structure. Inorganica Chimica Acta, 2015, 436, 16-22.	2.4	25
23	Vibrational studies (FTIR and Raman), conformational analysis, NBO, HOMOâ€“LUMO and reactivity descriptors of S-methyl thiobutanoate, CH3CH2CH2C(O)SCH3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 408-418.	3.9	4
24	Theoretical study on the molecular structure and vibrational properties, NBO and HOMOâ€“LUMO analysis of the POX3 (X=F, Cl, Br, I) series of molecules. Journal of Molecular Structure, 2015, 1081, 536-542.	3.6	8
25	Vibrational spectroscopy and conformation of S-ethyl thioacetate: CH3COSCH2CH3 and comparison with C(O)S and C(O)O compounds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 907-914.	3.9	6
26	Ab-initio and DFT calculations on molecular structure, NBO, HOMOâ€“LUMO study and a new vibrational analysis of 4-(Dimethylamino) Benzaldehyde. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 635-643.	3.9	63
27	DFT calculations of structure and vibrational properties of 2,2,2-trichloroethylacetate, CH3CO2CH2CCl3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 290-297.	3.9	8
28	Synthesis, crystal structure, conformational and vibrational properties of 6-acetyl-2,2-dimethyl-chromane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 74-84.	3.9	10
29	Layered crystal structure, conformational and vibrational properties of 2,2,2-trichloroethoxysulfonamide: An experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 122-131.	3.9	8
30	Trimethylsilyl trichloroacetate vibrational, structural and electronic properties and their comparison with related acetates. Vibrational Spectroscopy, 2013, 65, 124-131.	2.2	5
31	Vibrational and Structural Behavior of <scp>l</scp>-Cysteine Ethyl Ester Hydrochloride in the Solid State and in Aqueous Solution. Journal of Physical Chemistry A, 2013, 117, 14243-14252.	2.5	7
32	Structural and Vibrational Study of Chromyl Nitrate. Springer Briefs in Molecular Science, 2013, , 45-83.	0.1	0
33	Structural and Vibrational Study of Chromyl Fluorosulfate. Springer Briefs in Molecular Science, 2013, , 21-44.	0.1	0
34	Interaction of S-methyl methanethiosulfonate with DPPC bilayer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 479-489.	3.9	7
35	Bis (trifluoromethyl) sulfone, CF3SO2CF3: Synthesis, vibrational and conformational properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 332-339.	3.9	6
36	Synthesis and vibrational properties of trifluoromethyl trifluoromethanethiosulfonate and comparison with covalent sulfonates. Vibrational Spectroscopy, 2012, 59, 40-46.	2.2	7

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37	Theoretical structural and experimental vibrational study of niobyl nitrate. Journal of Molecular Structure, 2011, 994, 202-208.	3.6	9
38	Synthesis, spectroscopic and structural properties of CF3SO2OCCl3. Vibrational Spectroscopy, 2011, 55, 153-159.	2.2	5
39	Structural, vibrational spectra and normal coordinate analysis for two tautomers of 4(5)â€(2â€²â€furyl)â€imidazole. Journal of Raman Spectroscopy, 2010, 41, 587-597.	2.5	15
40	Investigation of the gas-phase structure and rotational barrier of trimethylsilyl trifluoromethanesulfonate and comparison with covalent sulfonates. Journal of Molecular Structure, 2010, 984, 376-382.	3.6	1
41	Experimental and theoretical structure and vibrational analysis of ethyl trifluoroacetate, CF₃CO₂CH₂CH₃. Journal of Raman Spectroscopy, 2010, 41, 1357-1368.	2.5	21
42	Gas-phase structure, rotational barrier and vibrational properties of trimethylsilyl trifluoroacetate CF3C(O)OSi(CH3)3: An experimental and computational study. Journal of Molecular Structure, 2010, 978, 114-123.	3.6	2
43	A new vibrational study of chromyl fluorosulfate, CrO2(SO3F)2 by DFT calculations. Journal of Molecular Structure, 2010, 981, 146-152.	3.6	11
44	Experimental study of the vibrational spectra of (CH₃)₃GeBr supported by DFT calculations. Journal of Raman Spectroscopy, 2009, 40, 289-296.	2.5	3
45	Synthesis and vibrational analysis of Nâ€(2â€²â€furyl)â€imidazole. Journal of Raman Spectroscopy, 2009, 40, 1004-1010.	2.5	40
46	Study of the vibrational spectra of (CH₃)₃GeCl from experimental and DFT calculations. Journal of Raman Spectroscopy, 2009, 40, 1591-1598.	2.5	2
47	Gasâ€phase structure and new vibrational study of methyl trifluoroacetate (CF₃C(O)OCH₃). Journal of Raman Spectroscopy, 2009, 40, 2053-2062.	2.5	10
48	Experimental and theoretical studies of the vibrations and structure of 2,2,2-trifluoroethyl trifluoroacetate, CF3CO2CH2CF3. Journal of Molecular Structure, 2009, 917, 183-192.	3.6	15
49	Structural and vibrational study of 4-(2â€²-furyl)-1-methylimidazole. Journal of Molecular Structure, 2009, 924-926, 322-331.	3.6	23
50	DFT Calculations of the Molecular Force Field of Vanadyl Nitrate, VO(NO₃)₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 582-592.	1.2	7
51	Structural and vibrational study of 2â€(2â€²â€furyl)â€4,5â€Hâ€dihydroimidazole. Journal of Physical Organic Chemistry, 2009, 22, 1166-1177.	1.9	25
52	Conformational and Vibrational Analysis of Methyl Methanesulfonate, CH₃SO₂OCH₃. Journal of Physical Chemistry A, 2009, 113, 8401-8408.	2.5	6
53	A conformational and vibrational study of CF3COSCH2CH3. Journal of Chemical Physics, 2009, 131, 214303.	3.0	15
54	Structural and vibrational study of 2â€(2â€²â€furyl)â€Hâ€imidazole. Journal of Physical Organic Chemistry, 2008, 21, 1086-1097.	1.9	34

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55	DFT calculation of the chromyl nitrate, CrO2(NO3)2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1027-1043.	3.9	13
56	Theoretical and experimental study of the vibrational spectra of 1,5-dimethylcytosine. Vibrational Spectroscopy, 2008, 46, 89-99.	2.2	29
57	Gas-Phase Structure, Rotational Barrier, and Vibrational Properties of Methyl Methanethiosulfonate, CH₃SO₂SCH₃:â€‰ An Experimental and Computational Study. Journal of Physical Chemistry A, 2007, 111, 9952-9960.	2.5	14
58	Gas-Phase Structure and Vibrational Properties of Trifluoromethyl Trifluoromethanesulfonate, CF3SO2OCF3. European Journal of Inorganic Chemistry, 2007, 2007, 1381-1389.	2.0	22
59	Scaled Quantum Mechanical Force Fields for the CF 3 SX Molecules (X = H, F, Cl, Br, I). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1500-1505.	1.2	2
60	Layered Crystal Structure and Vibrational Spectra of Sodium Trichloromethanesulfonate â€“ An Eperimental and Theoretical Study. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1501-1507.	1.2	4
61	Experimental and Theoretical Vibrational Study of the Oxotetrachlorochromate(V) Anion in [AsPh4][CrOCl4]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2495-2499.	1.2	10
62	Infrared and Raman spectra and quantum chemistry calculations for 2,2,2-trifluoroethyl trichloromethanesulfonate, CCl3SO2OCH2CF3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 1011-1019.	3.9	8
63	Infrared and Raman spectra of ethyl trifluoromethanesulfonate, CF3SO2OCH2CH3. An experimental and theoretical study. Journal of Raman Spectroscopy, 2005, 36, 427-434.	2.5	24
64	Theoretical Structure and Vibrational Analysis of Ethyl Methanesulfonate, CH3SO2OCH2CH3. Journal of Physical Chemistry A, 2005, 109, 7946-7956.	2.5	12
65	Experimental and theoretical vibrational study of 2,2,2-trifluoroethyl trifluoromethanesulfonate, CF3SO2OCH2CF3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 611-619.	3.9	19
66	Structural and vibrational theoretical analysis of the vanadium oxotrihalides, VOX3 (X=F, Cl, Br, I). Computational and Theoretical Chemistry, 2004, 672, 45-50.	1.5	14
67	Theoretical study of the structure and vibrational spectra of VO2X2â^' (X=F, Cl, Br, I) anions. Computational and Theoretical Chemistry, 2003, 626, 101-111.	1.5	15
68	The force constants in the isoelectronic series CF 3 SO 2 X (X=F, OH, NH 2 , CH 3): a study based on DFT calculations and experimental data. Journal of Molecular Structure, 2002, 612, 1-11.	3.6	37
69	A quantum chemical guided interpretation of the infrared and Raman spectra of trimethylsilyl trifluoromethanesulfonate, CF 3 SO 2 OSi(CH 3) 3. Journal of Molecular Structure, 2000, 553, 255-266.	3.6	6
70	Gas Phase Structure of Methyl Trifluoromethanesulfonate, CH3OSO2CF3, and Conformational Properties of Covalent Sulfonates. Inorganic Chemistry, 1999, 38, 3051-3055.	4.0	26
71	Vibrational and electronic spectra of vanadyl nitrate, VO(NO3)3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 669-675.	3.9	12
72	Electronic and Fourier transform infrared and Raman spectra of chromyl nitrate, Cr02(N03) 2. Vibrational Spectroscopy, 1993, 5, 219-225.	2.2	11