

Mauricio Federico Erben

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128
papers

1,943
citations

23
h-index

36
g-index

131
ext. papers

2,148
ext. citations

3.1
avg, IF

4.9
L-index

#	Paper	IF	Citations
128	A Dual Approach on Experimental, Theoretical Insight of Structural Elucidation, Hirshfeld Surface Analysis, Optical and Electrochemical Properties of Acyl Thiourea-Ethynyl Hybrid Derivatives.. <i>Journal of Chemical Crystallography</i> , 2022 , 1-14	0.5	0
127	Recent trends in chemistry, structure, and various applications of 1-acyl-3-substituted thioureas: a detailed review.. <i>RSC Advances</i> , 2022 , 12, 12710-12745	3.7	3
126	COMPUTATIONAL INVESTIGATIONS, HIRSHFELD SURFACE ANALYSIS, INTERACTION ENERGY CALCULATIONS, AND ENERGY FRAMEWORK CRYSTAL STRUCTURE OF METHYL 2-AMINO-5-HYDROXYBENZOATE. <i>Journal of Structural Chemistry</i> , 2021 , 62, 1745-1758	0.9	
125	Synthesis, conformation and Hirshfeld surface analysis of benzoxazole methyl ester as a versatile building block for heterocycles. <i>Heliyon</i> , 2021 , 7, e08042	3.6	0
124	Investigation of stable solid diazonium salt by molecular structure, Hirshfeld surface analysis, optical and electrochemical studies, and applications. <i>Journal of Molecular Modeling</i> , 2021 , 27, 296	2	2
123	Intra- and intermolecular N \equiv C hydrogen bonds in 1-acyl urea compounds: Synthesis, X-ray structure, conformational and Hirshfeld surface analyses of 1-(2,3-dichlorophenyl)-3-pivaloylurea. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131271	3.4	2
122	Preparation, structure determination, and in silico and in vitro Elastase inhibitory properties of substituted N-([1,1'-Biphenyl]-2-ylcarbamoithioyl)- Aryl/Alkyl benzamide Derivatives. <i>Journal of Molecular Structure</i> , 2021 , 1245, 130993	3.4	
121	An intramolecular 1,5-chalcogen bond on the conformational preference of carbonyl thiocarbamate species. <i>New Journal of Chemistry</i> , 2020 , 44, 5243-5253	3.6	6
120	Crystal structure, spectroscopic characterization and Hirshfeld surface analysis of aqua-dichlorido- $\{[(\text{pyridin-2-yl)methyl-idene}]aniline\}$ copper(II) monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020 , 76, 148-154	0.7	4
119	Synthesis and Structure of 4-Chloro-2- $\{[5-(\text{diethylamino})-2\text{-hydroxybenzylidene}]amino\}$ phenol and Its Metal Complexes. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 2376-2380	0.7	0
118	Intermolecular interactions in antipyrine-like derivatives 2-halo-N-(1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)benzamides: X-ray structure, Hirshfeld surface analysis and DFT calculations. <i>New Journal of Chemistry</i> , 2020 , 44, 19541-19554	3.6	10
117	Structure, conformational properties and matrix photochemistry of S-(tert-butyl)trifluorothioacetate CF ₃ C(O)SC(CH ₃) ₃ . <i>New Journal of Chemistry</i> , 2020 , 44, 14568-14577	3.6	1
116	On the planarity of the cyclobutane ring in the crystal of dimethyl 2,4-bis(3,4-dimethoxyphenyl)cyclobutane-1,3-dicarboxylate: a natural bond orbital and Hirshfeld surface analysis study. <i>New Journal of Chemistry</i> , 2020 , 44, 15515-15525	3.6	2
115	Conformational and crystal structure of acyl thiourea compounds: The case of the simple (2,2-dimethyl-propionyl) thiourea derivative. <i>Journal of Molecular Structure</i> , 2020 , 1215, 128227	3.4	6
114	An investigation of supramolecular synthons in 1,2,4-triazole-3(4H)-thione compounds. X-ray crystal structures, energetic and Hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , 2019 , 1195, 796-806	3.4	13
113	Novel C-2 Symmetric Molecules as α -Glucosidase and α -Amylase Inhibitors: Design, Synthesis, Kinetic Evaluation, Molecular Docking and Pharmacokinetics. <i>Molecules</i> , 2019 , 24,	4.8	20
112	Synthesis, conformational studies and NBO analysis of (4-chloro-3,5-dimethyl-1H-pyrazol-1-yl)(p-tolyl)methanone. <i>Journal of Molecular Structure</i> , 2019 , 1191, 152-157	3.4	13

111	Elucidation of the Average Molecular Structure of Argentinian Asphaltenes. <i>Energy & Fuels</i> , 2019 , 33, 2950-2960	4.1	11
110	A Mixed Ligand Platinum(II) Complex: Spectral Analysis, Crystal Structure, Steric Demand of the Ligand, and Bioactivity of cis-[Pt(PPh ₃) ₂ (L1-O,S)]PF ₆ (L1-O,S = N,N-Morpholine-N'-benzoylthiourea). <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2583-2590	2.3	8
109	Speciation of sulphur in asphaltenes and resins from Argentinian petroleum by using XANES spectroscopy. <i>Fuel</i> , 2019 , 256, 115952	7.1	9
108	Formation of HCO and HCS Ions in the Photodissociation of CHOC(S)SCH under VUV Synchrotron Radiation. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6674-6682	2.8	2
107	Interplay between Conformation and Crystal Packing in Aryl Propargyl Ethers: Structural and Spectroscopic Properties of 2-(prop-2-yn-1-yloxy)acene Derivatives. <i>ChemistrySelect</i> , 2019 , 4, 9927-9933	1.8	1
106	Spectroscopic and thermal properties of stannadithiane compounds bearing endocyclic ether and lactone groups. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 210, 222-229	4.4	4
105	Ibuprofen-thiadiazole hybrid compounds: Synthesis, vibrational analysis and molecular structure of 5-(1-(4-isobutylphenyl)ethyl)-1,3,4-thiadiazol-2-amine hydrochloride. <i>Journal of Molecular Structure</i> , 2019 , 1179, 11-17	3.4	7
104	Current developments in chemistry, coordination, structure and biological aspects of 1-(acyl/aryl)-3-(substituted)thioureas: advances Continue □ <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 312-350	2.3	32
103	One-pot synthesis, quantum chemical calculations and X-ray diffraction studies of thiazolyl-coumarin hybrid compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 198, 290-296	4.4	8
102	Exploration of carboxy pyrazole derivatives: Synthesis, alkaline phosphatase, nucleotide pyrophosphatase/phosphodiesterase and nucleoside triphosphate diphosphohydrolase inhibition studies with potential anticancer profile. <i>European Journal of Medicinal Chemistry</i> , 2018 , 156, 461-478	6.8	19
101	Novel Guanidine Compound against Multidrug-Resistant Cystic Fibrosis-Associated Bacterial Species. <i>Molecules</i> , 2018 , 23,	4.8	21
100	Valence and Inner Electronic Excitation, Ionization, and Fragmentation of Perfluoropropionic Acid. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 9842-9850	2.8	2
99	Synthesis of aryl pyrazole via Suzuki coupling reaction, in vitro mushroom tyrosinase enzyme inhibition assay and in silico comparative molecular docking analysis with Kojic acid. <i>Bioorganic Chemistry</i> , 2018 , 79, 293-300	5.1	17
98	Gas and crystal structures of CCl ₂ FSCN. <i>Journal of Molecular Structure</i> , 2017 , 1132, 175-180	3.4	9
97	Electronic Properties and Ionic Photodissociation of Thionitrite Compounds RSNO [R=(CH ₃) ₃ C and (CH ₃) ₂ CH]. <i>ChemistrySelect</i> , 2017 , 2, 2021-2027	1.8	
96	Stannathianes as activated polythiols for the synthesis of functionalized macrocyclic polythiolactones. <i>Tetrahedron Letters</i> , 2017 , 58, 1484-1486	2	1
95	Close insight into the nature of intermolecular interactions in dihydropyrimidine-2(1H)-thione derivatives. <i>CrystEngComm</i> , 2017 , 19, 1495-1508	3.3	19
94	The effect of chalcogen substitution on the structure and spectroscopy of 4,7-dimethyl-2H-chromen-2-one/thione analogues. <i>New Journal of Chemistry</i> , 2017 , 41, 5770-5783	3.6	3

93	Structural study of a novel acetylide-thiourea derivative and its evaluation as a detector of benzene. <i>Journal of Molecular Structure</i> , 2017 , 1139, 353-361	3.4	14
92	Understanding the conformational changes and molecular structure of furoyl thioureas upon substitution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 176, 8-17	4.4	25
91	Electronic Properties and Dissociative Photoionization of Thiocyanates, Part III. The Effect of the Group's Electronegativity in the Valence and Shallow-Core (Sulfur and Chlorine 2p) Regions of CClSCN and CClFSCN. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 9201-9210	2.8	2
90	Vibrational spectra and molecular structure of isomeric 1-(adamantan-1-ylcarbonyl)-3-(dichlorophenyl)thioureas. <i>Journal of Molecular Structure</i> , 2017 , 1129, 283-291	3.4	23
89	Recent developments in chemistry, coordination, structure and biological aspects of 1-(acyl/aroil)-3-(substituted) thioureas. <i>Research on Chemical Intermediates</i> , 2017 , 43, 3053-3093	2.8	52
88	Structures of Trichloromethyl Thiocyanate, CCl ₃ SCN, in Gaseous and Crystalline State. <i>ChemPhysChem</i> , 2016 , 17, 1463-7	3.2	9
87	Electronic properties and photofragmentation mechanisms of pyrosulfuryl chloride, ClSO ₂ OSO ₂ Cl. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 324, 184-191	4.7	
86	Supramolecular self-assembly of a coumarine-based acylthiourea synthon directed by π -stacking interactions: Crystal structure and Hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , 2016 , 1111, 76-83	3.4	42
85	On the roles of close shell interactions in the structure of acyl-substituted hydrazones: An experimental and theoretical approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 157, 138-145	4.4	22
84	Comment on "Structural and vibrational studies on 1-(5-Methyl- [1,3,4] thiadiazol-2-yl)-pyrrolidin-2-ol" [Spectrochimica Acta Part A, 152 (2016) 252-261]. The importance of intramolecular OH...N hydrogen bonding in the conformational properties of thiadiazol-pyrrolidin-2-ol bearing species. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 157, 138-145	4.4	5
83	Photofragmentation Mechanisms of Chlorosulfonyl Isocyanate, ClSO ₂ NCO, Excited with Synchrotron Radiation between 12 and 550 eV. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 8021-30	2.8	9
82	Structural, vibrational and electronic characterization of 1-benzyl-3-furoyl-1-phenylthiourea: an experimental and theoretical study. <i>New Journal of Chemistry</i> , 2015 , 39, 7459-7471	3.6	35
81	Photoelectron Spectroscopy and Ionic Fragmentation of OSeCl ₂ and Its Analogue OSnCl ₂ under VUV Irradiation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 8000-9	2.8	
80	The structure of chloromethyl thiocyanate, CH ₂ ClSCN, in gas and crystalline phases. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15805-12	3.6	7
79	Intermolecular interactions in crystalline 1-(adamantane-1-carbonyl)-3-substituted thioureas with Hirshfeld surface analysis. <i>CrystEngComm</i> , 2015 , 17, 7551-7563	3.3	59
78	Ionic fragmentation mechanisms of 2,2,2-trifluoroethanol following excitation with synchrotron radiation. <i>ChemPhysChem</i> , 2015 , 16, 322-30	3.2	8
77	Conformational properties of ethyl- and 2,2,2-trifluoroethyl thionitrites, (CX ₂ CH ₂ NO, X = H and F). <i>Journal of Physical Chemistry A</i> , 2015 , 119, 1524-33	2.8	7
76	The Structure and Conformation of (CH ₃) ₃ CSNO. <i>Chemistry - A European Journal</i> , 2015 , 21, 10436-42	4.8	11

75	Synthesis, X-ray crystal structure, thermal behavior and spectroscopic analysis of 1-(1-naphthoyl)-3-(halo-phenyl)-thioureas complemented with quantum chemical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 409-18	4.4	34
74	A combined experimental and theoretical study of the tautomeric and conformational properties of (5-phenyl-tetrazol-2-yl)-acetic acid methyl ester. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 1-8	4.4	7
73	Intra- and intermolecular hydrogen bonding and conformation in 1-acyl thioureas: an experimental and theoretical approach on 1-(2-chlorobenzoyl)thiourea. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 143, 59-66	4.4	45
72	Photoexcitation, photoionization, and photofragmentation of CF ₃ CF ₂ CF ₂ C(O)Cl using synchrotron radiation between 13 and 720 eV. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 1894-905	2.8	2
71	Competing intramolecular NHOC hydrogen bonds and extended intermolecular network in 1-(4-chlorobenzoyl)-3-(2-methyl-4-oxopentan-2-yl) thiourea analyzed by experimental and theoretical methods. <i>Chemical Physics</i> , 2014 , 431-432, 39-46	2.3	37
70	The role of substituents in the molecular and crystal structure of 1-(adamantane-1-carbonyl)-3-(mono)- and 3,3-(di) substituted thioureas. <i>Journal of Molecular Structure</i> , 2014 , 1065-1066, 150-159	3.4	19
69	Comment on Molecular Structure analysis and Spectroscopic Characterization of Carbimazole with experimental (FT-IR, FT-Raman and UV-Vis) techniques and quantum chemical calculations [J. Mol. Struct. 1052 (2013) 38-49]. <i>Journal of Molecular Structure</i> , 2014 , 1056-1057, 216-218	3.4	
68	Matrix isolation study of the conformations and photochemistry of S-ethyl fluorothioformate, FC(O)SCH ₂ CH ₃ . <i>Journal of Physical Chemistry A</i> , 2014 , 118, 11193-203	2.8	4
67	Electronic properties of FC(O)SCH ₂ CH ₃ . a combined helium(I) photoelectron spectroscopy and synchrotron radiation study. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5950-60	2.8	2
66	A review on the chemistry, coordination, structure and biological properties of 1-(acyl/aryl)-3-(substituted) thioureas. <i>Journal of Sulfur Chemistry</i> , 2014 , 35, 318-355	2.3	145
65	Electronic properties of fluorosulfonyl isocyanate, FSO ₂ NCO: a photoelectron spectroscopy and synchrotron photoionization study. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 9179-88	2.8	6
64	Crystal structure and spectroscopic properties of N [?] -methoxycarbonylsulfenyl-substituted ureas, CH ₃ OC(O)SN(H)C(O)NRR [?] [R=H, R [?] =C(CH ₃) ₃ and R=R [?] =CH ₂ CH ₃]. <i>Journal of Molecular Structure</i> , 2013 , 1037, 116-121	3.4	
63	Synthesis, structural and vibrational properties of 1-(adamantane-1-carbonyl)-3-halophenyl thioureas. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 102, 408-13	4.4	43
62	Conformational transferability of the sulfenyl carbonyl group -SC(O)- in cyclic thioesters. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5706-14	2.8	6
61	Spectroscopic characterization and constitutional and rotational isomerism of ClC(O)SCN and ClC(O)NCS. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2383-99	2.8	6
60	The ionic nature of methylsulfur trichloride species. <i>Inorganic Chemistry Communication</i> , 2012 , 26, 66-68	3.1	1
59	Dissociative photoionization of methyl thiochloroformate, ClC(O)SCH ₃ , following sulfur 2p, chlorine 2p, carbon 1s, and oxygen 1s excitations. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7498-507	2.8	5
58	Electronic properties and dissociative photoionization of thiocyanates. Part II. Valence and shallow-core (sulfur and chlorine 2p) regions of chloromethyl thiocyanate, CH ₂ ClSCN. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 231-41	2.8	7

57	Twisted imide bond in noncyclic imides. Synthesis and structural and vibrational properties of N,N-bis(furan-2-carbonyl)-4-chloroaniline. <i>Journal of Organic Chemistry</i> , 2012 , 77, 4688-95	4.2	18
56	Interstellar H ₃ ⁺ and HCS ⁺ ions produced in the dissociative photoionization process of CH ₃ C(O)SCH ₃ in the proximity of the sulfur 2p, carbon 1s, and oxygen 1s edges. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 2571-82	2.8	8
55	Synthesis, conformational and NQR analysis of phosphoric triamides containing the P(O)[N] ₃ skeleton. <i>Journal of Molecular Structure</i> , 2012 , 1023, 18-24	3.4	17
54	DFT calculations on the hydrogen bonding interactions between adrenaline and trimethoxysilylpropylamine. <i>Main Group Chemistry</i> , 2012 , 11, 275-284	0.6	13
53	Determination of heats of tautomerization nitrile-ketenimine by mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2011 , 17, 125-43	1.1	5
52	Convenient synthesis of carbamates, S-alkyl thiocarbamates, and N,N'-disubstituted urea derivatives of methoxycarbonylsulfonyl isocyanate. <i>Tetrahedron Letters</i> , 2011 , 52, 5352-5354	2	7
51	Hydrogen bonding interactions between D-glucose, and methacrylic acid. <i>Structural Chemistry</i> , 2011 , 22, 1347-1352	1.8	21
50	Synthesis, structural and vibrational properties of 1-(4-Fluorobenzoyl)-3-(isomeric fluorophenyl)thioureas. <i>Journal of Molecular Structure</i> , 2011 , 1000, 49-57	3.4	24
49	Conformational preference of chlorothioformate species: molecular structure of ethyl chlorothioformate, ClC(O)SCH ₂ CH ₃ , in the solid phase and NBO analysis. <i>Acta Crystallographica Section B: Structural Science</i> , 2011 , 67, 350-6		4
48	Outermost and inner-shell electronic properties of ClC(O)SCH ₂ CH ₃ studied using HeI photoelectron spectroscopy and synchrotron radiation. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 5307-18	2.8	9
47	Structural and vibrational study on N-(biphenyl-2-thiocarbamoyl)-4-phenylcarboxamide. <i>Journal of Molecular Structure</i> , 2011 , 985, 57-62	3.4	30
46	Matrix photochemistry at low temperatures and spectroscopic properties of gamma-butyrothiolactone. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 9462-70	2.8	12
45	Vibrational spectra, crystal structures, constitutional and rotational isomerism of FC(O)SCN and FC(O)NCS. <i>Inorganic Chemistry</i> , 2010 , 49, 11142-57	5.1	14
44	Conformational behavior of CH ₃ OC(O)SX (X = CN and SCN) pseudohalide congeners. A combined experimental and theoretical study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 3703-12	2.8	11
43	Molecular and electronic structure of Valerothiolactone. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12540-7	2.8	5
42	Evidence for the formation of an interstellar species, HCS ⁺ , during the ionic fragmentation of methyl thiofluoroformate, FC(O)SCH ₃ , in the 100-1000 eV region. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12353-61	2.8	9
41	Study of the photodissociation process of ClC(O)SCH ₃ using both synchrotron radiation and HeI photoelectron spectroscopy in the valence region. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8049-55	2.8	8
40	Methoxycarbonyl trifluoromethyl disulfide, CH ₃ OC(O)SSCF ₃ : synthesis, structure and conformational properties. <i>New Journal of Chemistry</i> , 2010 , 34, 1365	3.6	6

39	Effect of fluorine substitution on the crystal structures and vibrational properties of phenylthiourea isomers. <i>Journal of Molecular Structure</i> , 2010 , 982, 91-99	3.4	27
38	Synthesis and characterization of the first phosphonic diamide containing thiazolyl groups: Structural properties and tautomeric equilibrium. <i>Journal of Molecular Structure</i> , 2010 , 978, 67-73	3.4	15
37	Synthesis, crystal X-ray diffraction structure, vibrational properties and quantum chemical calculations on 1-(4-(4-Fluorobenzamido)phenyl)-3-(4-fluorobenzoyl)thiourea. <i>Journal of Molecular Structure</i> , 2010 , 984, 240-245	3.4	23
36	Vibrational properties, crystal X-ray diffraction structure and quantum chemical calculations on a divalent sulfur substituted phthalimide: 1H-Isoindole-1,3(2H)-dione, 2-[(methoxycarbonyl)thio]. <i>Journal of Molecular Structure</i> , 2010 , 975, 227-233	3.4	3
35	Syntheses, spectroscopic study and X-ray crystallography of some new phosphoramidates and lanthanide(III) complexes of N-(4-nitrobenzoyl)-N',N''-bis(morpholino)phosphoric triamide. <i>Acta Crystallographica Section B: Structural Science</i> , 2010 , 66, 441-50		23
34	Synthesis, crystal structure and spectroscopic properties of a novel carbacylamidophosphate: N-(3-nitrobenzoyl)-N',N''-bis(tert-butyl)phosphoric triamide. <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 502-8		19
33	Structural effects and hydrogen bonds on N,N'-di(methoxycarbonylsulfonyl)urea, [CH ₃ OC(O)SNH] ₂ CO, studied by experimental and theoretical methods. <i>Journal of Molecular Structure</i> , 2009 , 918, 146-153	3.4	16
32	Synthesis, spectroscopy, computational study and prospective biological activity of two novel 1,3,2-diazaphospholidine-2,4,5-triones. <i>Polyhedron</i> , 2009 , 28, 541-547	2.7	9
31	NH \cdots SC hydrogen bond in O-alkyl N-methoxycarbonyl thiocarbamates, ROC(S)N(H)C(O)OCH ₃ (R=CH ₃ □CH ₃ CH ₂ □) <i>Polyhedron</i> , 2009 , 28, 937-946	2.7	38
30	Matrix photochemistry, photoelectron spectroscopy, solid-phase structure, and ring strain energy of beta-propiolactone. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3662-72	2.8	15
29	Conformational and structural determination of F(2)NC(O)F and F(2)NC(O)NCO. A joint experimental and theoretical study. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 13029-35	2.8	14
28	Dissociative photoionization of methyl thiocyanate, CH ₃ SCN, in the proximity of the sulfur 2p edge. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 564-72	2.8	16
27	Perchloromethyl mercaptan, CCl ₃ SCL, excited with synchrotron radiation in the proximity of the sulfur and chlorine 2p edges: dissociative photoionization of highly halogenated species. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9624-32	2.8	15
26	He I photoelectron spectra and valence synchrotron photoionization for XC(O)SCL (X = F, Cl) compounds. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 2228-34	2.8	20
25	HeI photoelectron and valence synchrotron photoionization studies of the thioester molecule CH ₃ C(O)SCH ₃ : evidence of vibronic structure. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 5947-53	2.8	17
24	[Chloro(difluoro)acetyl]phosphoramidic acid dichloride ClF ₂ CC(O)NHP(O)Cl ₂ , synthesis, vibrational and NMR spectra and theoretical calculations. <i>Journal of Molecular Structure</i> , 2008 , 886, 66-71	3.4	35
23	Vibrational studies of N-trifluoroacetyl-phosphoramidic acid dichloride [CF ₃ C(O)NHP(O)Cl ₂] and N-trichloroacetyl-phosphoramidic acid dichloride [CCl ₃ C(O)NHP(O)Cl ₂]. <i>Vibrational Spectroscopy</i> , 2008 , 46, 107-114	2.1	17
22	Synthesis, spectroscopic study, X-ray crystallography and ab initio calculations of the two new phosphoramidates: C ₆ H ₅ OP(O)(NHC ₆ H ₁₁) ₂ and [N(CH ₃)(C ₆ H ₁₁)]P(O)(2-C ₅ H ₄ N-NH) ₂ . <i>Journal of Molecular Structure</i> , 2008 , 874, 178-186	3.4	36

21	Preparation and properties of methoxycarbonylsulfenyl isocyanate, CH ₃ OC(O)SNCO. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9074-80	4.2	33
20	Dissociative photoionization of methoxycarbonylsulfenyl chloride, CH ₃ OC(O)SCL, following sulfur 2p, chlorine 2p, and oxygen 1s excitations. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 8062-71	2.8	16
19	Anomeric Interactions in Pentafluoroethylimidodisulfurous Dichloride, CF ₃ CF ₂ N=SCL ₂ : Structural, Conformational and Configurational Properties in the Gaseous and Condensed Phases. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 3535-3542	2.3	8
18	Chlorodifluorothioacetic Acid, CF ₂ ClC(O)SH: Synthesis, Characterization, X-ray Structure and Conformational Properties. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4917-4926	3.2	8
17	Dissociation dynamics of highly charged molecular ions of FC(O)SCL. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007 , 155, 64-69	1.7	10
16	Conformation of N,N'-bis (2,6-dimethylmorpholino), N'-dichloroacetyl phosphoric triamide: CHCl ₂ C(O)NHP(O)[2,6(CH ₃) ₂ (NC ₄ H ₆ O)] ₂ . NMR and ab initio studies. <i>Journal of Molecular Structure</i> , 2007 , 840, 66-70	3.4	18
15	Synthesis, Structure and Conformational Properties of Fluoroformylchlorodifluoroacetyl Disulfide, FC(O)SSC(O)CF ₂ Cl: Conformational Transferability in Cl(O)SSC(O)Cl Compounds. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 4418-4425	2.3	12
14	Evidence of site-specific fragmentation on thioacetic acid, CH ₃ C(O)SH, irradiated with synchrotron radiation around the S 2p and O 1s regions. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 875-83	2.8	19
13	Toward an intimate understanding of the structural properties and conformational preference of oxoesters and thioesters: gas and crystal structure and conformational analysis of dimethyl monothiocarbonate, CH ₃ OC(O)SCH ₃ . <i>Journal of Organic Chemistry</i> , 2006 , 71, 616-22	4.2	40
12	Ionic fragmentation on ClC(O)SCL. Evidence of a highly charged molecular ion and confirmation of unusual dissociation mechanisms for halocarbonylsulfenyl chlorides. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 304-13	2.8	17
11	Fluoroformyl trifluoroacetyl disulfide, FC(O)SSC(O)CF ₃ : synthesis, structure in solid and gaseous states, and conformational properties. <i>Inorganic Chemistry</i> , 2005 , 44, 7070-7	5.1	38
10	On the conformational behavior of O,O-dimethyl phosphamidothioate (SP(OCH ₃) ₂ NH ₂). <i>Journal of Molecular Structure</i> , 2005 , 734, 107-113	3.4	3
9	Theoretical investigation on the conformational space of perfluorohydroxylamine, F ₂ NOF. <i>Chemical Physics</i> , 2005 , 308, 193-198	2.3	3
8	N,N-Difluoro-O-trifluoromethyl-hydroxylamine, CF ₃ ONF ₂ : conformation and vibrational analysis studied by experimental and theoretical methods. <i>Journal of Molecular Structure</i> , 2004 , 692, 63-70	3.4	2
7	Study of the Ionic Fragmentation of Shallow- and Core-Excited Fluorocarbonylsulfenyl Chloride, FC(O)SCL: Observation of a New Three-Body Dissociation Mechanism. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 3938-3946	2.8	20
6	Trifluoromethyl Chloroformate, ClC(O)OCF ₃ : Structure, Conformation, and Vibrational Analysis Studied by Experimental and Theoretical Methods. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 699-706	2.8	20
5	Methyl Fluorocarbonyl Disulfide (FC(O)SSMe): A Theoretical Study on the Structural and Conformational Properties of Its Neutral Ground State and Lowest-Lying Cationic State. <i>Helvetica Chimica Acta</i> , 2003 , 86, 2379-2395	2	22
4	Trifluoromethyl chlorosulfonate, CF ₃ OSO ₂ Cl: gas phase and crystal structure, conformation and vibrational analysis studied by experimental and theoretical methods. <i>Inorganic Chemistry</i> , 2003 , 42, 7297-303	5.1	28

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| 3 | Perfluoromethyl fluorocarbonyl peroxide, $\text{CF}_3\text{OOC}(\text{O})\text{F}$: structure, conformations, and vibrational spectra studied by experimental and theoretical methods. <i>Inorganic Chemistry</i> , 2003 , 42, 3079-85 | 5.1 | 7 |
| 2 | Anomeric and mesomeric effects in methoxycarbonylsulfonyl chloride, $\text{CH}_3\text{OC}(\text{O})\text{SOCl}$: an experimental and theoretical study. <i>Inorganic Chemistry</i> , 2002 , 41, 1064-71 | 5.1 | 51 |
| 1 | Dramatic changes in geometry after ionization: experimental and theoretical studies on the electronic properties of fluorocarbonyl (mono-, di-, and tri-) sulfur compounds. <i>Inorganic Chemistry</i> , 2002 , 41, 3740-8 | 5.1 | 38 |