

# Felice Grandinetti

## List of Publications by Year in descending order

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127  
all docs

127  
docs citations

127  
times ranked

841  
citing authors

#	ARTICLE	IF	CITATIONS
1	Helium chemistry: a survey of the role of the ionic species. International Journal of Mass Spectrometry, 2004, 237, 243-267.	1.5	93
2	Gas-Phase Ion Chemistry of the Noble Gases: Recent Advances and Future Perspectives. European Journal of Mass Spectrometry, 2011, 17, 423-463.	1.0	69
3	Nitrogen versus fluorine protonation of nitrogen fluoride in the gas-phase. A combined mass spectrometric and Gaussian-1 ab initio MO study reveals the existence of two distinct isomers F <sub>3</sub> NH <sup>+</sup> and F <sub>2</sub> N-FH <sup>+</sup> . Journal of the American Chemical Society, 1992, 114, 2806-2810.	13.7	57
4	Stable Compounds of the Lightest Noble Gases: A Computational Investigation of RNBeNg (Ng = He, Ne,) Tj ETQq0 0 0 rgBT /Overlo	2.5	57
5	Noble Gas Anions: A Theoretical Investigation of FNgBN <sup>+</sup> (Ng = He~Xe). Journal of Physical Chemistry A, 2007, 111, 10144-10151.	2.5	53
6	Experimental Evidence of Chemical Components in the Bonding of Helium and Neon with Neutral Molecules. Chemistry - A European Journal, 2015, 21, 6234-6240.	3.3	53
7	From OBeHe to H <sub>3</sub> BOBeHe: Enhancing the stability of a neutral helium compound. Chemical Physics Letters, 2005, 406, 179-183.	2.6	43
8	Bonding Motifs of Noble-Gas Compounds As Described by the Local Electron Energy Density. Journal of Physical Chemistry A, 2015, 119, 6528-6541.	2.5	42
9	Xenon~Nitrogen Chemistry: Gas~Phase Generation and Theoretical Investigation of the Xenon~Difluoronitrenium Ion F <sub>2</sub> NiXe <sup>+</sup> . Chemistry - A European Journal, 2011, 17, 10682-10689.	3.3	40
10	F <sub>3</sub> Ge~Xe+: A Xenon~Germanium Molecular Species. Journal of Physical Chemistry Letters, 2010, 1, 2006-2010.	4.6	39
11	Catching the role of anisotropic electronic distribution and charge transfer in halogen bonded complexes of noble gases. Journal of Chemical Physics, 2015, 142, 184304.	3.0	39
12	SBeNg, SBNg <sup>+</sup> , and SCNg <sub>2</sub> <sup>+</sup> complexes (Ng=He, Ne, Ar): a computational investigation on the structure and stability. Chemical Physics Letters, 2004, 384, 25-29.	2.6	38
13	A comparative study of gas phase aromatic desilylation and detertbutylation by charged electrophiles. Canadian Journal of Chemistry, 1988, 66, 3099-3107.	1.1	37
14	Neutral Helium Compounds: Theoretical Evidence for a Large Class of Polynuclear Complexes. Chemistry - A European Journal, 2006, 12, 5033-5042.	3.3	36
15	Ionic Fluorination of Carbon Monoxide as a Route to Gasphase Carbonylation of Inert C~H and Ni~H Bonds. Chemistry - A European Journal, 1996, 2, 495-501.	3.3	35
16	H <sub>2</sub> NO <sub>2</sub> <sup>+</sup> ions in the gas phase: a mass spectrometric and post-SCF ab initio study. The Journal of Physical Chemistry, 1991, 95, 9782-9787.	2.9	32
17	Ionic Lewis superacids in the gas phase. Part 1. Ionic intermediates from the attack of gaseous SiF <sub>3</sub> on n-bases. International Journal of Mass Spectrometry and Ion Processes, 1993, 124, 21-36.	1.8	29
18	The gaseous trifluorosilylxenon cation, F <sub>3</sub> SiXe <sup>+</sup> : a stable species with a silicon~xenon bond. Journal of the Chemical Society Chemical Communications, 1995, , 773-774.	2.0	29

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19	Chemically enhanced liquid chromatography/tandem mass spectrometry determination of glutamic acid in the diffusion medium of retinal cells. <i>Biomedical Chromatography</i> , 2007, 21, 1069-1076.	1.7	29
20	Noble gas $\pi$ -sulfur anions: A theoretical investigation of FNgS $\pi$ (Ng=He, Ar, Kr, Xe). <i>Chemical Physics Letters</i> , 2008, 458, 48-53.	2.6	29
21	Cationic Noble Gas Hydrides: A Theoretical Investigation of Dinuclear HN <sub>g</sub> FN <sub>g</sub> H <sup>+</sup> (Ng =) Tj ETQq1 1 0.784314 rgBT /Over	2.5	29
22	Gaseous Protonated Nitrosyl Fluoride. Experimental and Theoretical Characterization of Two Distinguishable Isomers, HONF <sup>+</sup> and ONFH <sup>+</sup> , and Evaluation of the Barrier for Their Interconversion. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2713-2718.	2.9	28
23	Gaseous Fluorodiazonium Ions. Experimental and Theoretical Study on Formation and Structure of FN <sub>2</sub> <sup>+</sup> . <i>Inorganic Chemistry</i> , 1995, 34, 1325-1332.	4.0	25
24	Neon behind the signs. <i>Nature Chemistry</i> , 2013, 5, 438-438.	13.6	25
25	Gas-phase ion chemistry of cyanamide. A mass spectrometric and ab initio study of gaseous [H <sub>2</sub> N-CN] $\cdot$ +, [H <sub>2</sub> N-CN]H <sup>+</sup> , and [HN-CN] $\cdot$ - ions. <i>The Journal of Physical Chemistry</i> , 1993, 97, 4239-4245.	2.9	24
26	An Extraordinarily Violent Molecular Dissociation: The Unprecedented Kinetic Energy Release in the Decomposition of HONF <sup>+</sup> , a Singly Charged Metastable Ion. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 123-125.	4.4	24
27	Adducts of NF <sub>2</sub> <sup>+</sup> with diatomic and simple polyatomic ligands: a computational investigation on the structure, stability, and thermochemistry. <i>International Journal of Mass Spectrometry</i> , 2002, 216, 285-299.	1.5	24
28	Helium Accepts Back-Donation In Highly Polar Complexes: New Insights into the Weak Chemical Bond. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3334-3340.	4.6	24
29	Gas-phase ion chemistry of nitramide. A mass spectrometric and ab initio study of nitramide (H <sub>2</sub> N-NO <sub>2</sub> ) and the H <sub>2</sub> N-NO <sub>2</sub> $\cdot$ +, [H <sub>2</sub> N-NO <sub>2</sub> ]H <sup>+</sup> , and [HN-NO <sub>2</sub> ] $\cdot$ - ions. <i>Journal of the American Chemical Society</i> , 1993, 115, 12398-12404.	13.7	22
30	Gaseous F <sub>2</sub> NO <sup>+</sup> Cations from the Addition of NF <sub>2</sub> <sup>+</sup> to N <sub>2</sub> O. Structure and Mechanism of Formation. <i>The Journal of Physical Chemistry</i> , 1994, 98, 8009-8013.	2.9	22
31	Complexes of XeHXe <sup>+</sup> with Simple Ligands: A Theoretical Investigation on (XeHXe <sup>+</sup> )L (L = N <sub>2</sub> , CO, H <sub>2</sub> O, NH <sub>3</sub> ). <i>Journal of Physical Chemistry A</i> , 2015, 119, 2383-2392.	2.5	22
32	Experimental and ab initio MO studies on [H <sub>2</sub> N,O] <sup>+</sup> ions in the gas phase: characterization of the isomers H <sub>2</sub> NO <sup>+</sup> , HNOH <sup>+</sup> and NOH <sub>2</sub> <sup>+</sup> and the mechanism of unimolecular dehydrogenation of [H <sub>2</sub> N,O] <sup>+</sup> . <i>The Journal of Physical Chemistry</i> , 1992, 96, 4841-4845.	2.9	21
33	Neutral Compounds with Xenon $\pi$ -Germanium Bonds: A Theoretical Investigation on FXeGeF and FXeGeF <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2014, 118, 3326-3334.	2.5	21
34	Cationic Noble-Gas Hydrides: From Ion Sources to Outer Space. <i>Frontiers in Chemistry</i> , 2020, 8, 462.	3.6	21
35	Ionic Lewis superacids in the gas phase. Part 2. Reactions of gaseous CF <sub>3</sub> <sup>+</sup> with oxygen bases. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 127, 123-135.	1.8	20
36	Methylated NF <sub>3</sub> . A G <sub>2</sub> MS theoretical study on the structure, stability, and interconversion of the CH <sub>3</sub> $\pi$ -NF <sub>3</sub> <sup>+</sup> and CH <sub>3</sub> F $\pi$ -NF <sub>2</sub> <sup>+</sup> isomers. <i>Chemical Physics Letters</i> , 1997, 281, 431-437.	2.6	20

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37	Mechanistic Aspects of F+ Transfer Reactions: A Model Study in the Gas Phase. <i>Chemistry - A European Journal</i> , 1998, 4, 2366-2374.	3.3	19
38	Unimolecular decay of the thiomethoxy cation, CH <sub>3</sub> S <sup>+</sup> : A computational study on the detailed mechanistic aspects. <i>Journal of Chemical Physics</i> , 1999, 111, 6759-6768.	3.0	19
39	Beryllium-helium cations: computational evidence for a large class of thermodynamically stable species. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 415-427.	1.5	19
40	Cationic noble gas hydrides-2: A theoretical investigation on HNgHNgH <sup>+</sup> (Ng=Ar, Kr, Xe). <i>Computational and Theoretical Chemistry</i> , 2011, 964, 318-323.	2.5	19
41	Noncovalent Complexes of the Noble Gas Atoms: Analyzing the Transition from Physical to Chemical Interactions. <i>Journal of Computational Chemistry</i> , 2019, 40, 2318-2328.	3.3	19
42	Noble gas-selenium molecular species: A theoretical investigation of FNgSe <sup>+</sup> (Ng=He-Xe). <i>Chemical Physics Letters</i> , 2009, 470, 49-53.	2.6	18
43	The addition of NF <sub>2</sub> to H <sub>2</sub> O as a route to gaseous protonated F <sub>2</sub> NOH. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994, 130, 117-125.	1.8	17
44	Gaseous protonated nitrosamide. A G <sub>2</sub> theoretical study on the structure, stability, and interconversion of (H <sub>2</sub> Ni-NO)H <sup>+</sup> isomers. <i>Chemical Physics Letters</i> , 1997, 267, 98-104.	2.6	17
45	Isomeric Alkyl Cation/Arene Complexes in the Gas Phase. <i>Chemistry - A European Journal</i> , 2003, 9, 2072-2078.	3.3	17
46	Classifying the chemical bonds involving the noble-gas atoms. <i>New Journal of Chemistry</i> , 2020, 44, 14536-14550.	2.8	17
47	The ionization potential of NF <sub>3</sub> : a G <sub>3</sub> computational study on the thermochemical properties of NF <sub>x</sub> and NF <sub>x</sub> <sup>+</sup> (x = 1-3). <i>Computational and Theoretical Chemistry</i> , 2000, 497, 205-209.	1.5	16
48	Ionic Lewis superacids in the gas phase. Part 3. Reactions of gaseous CF <sub>3</sub> with nitrogen bases. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 127, 137-146.	1.8	15
49	Protonated methyl nitrite. A theoretical investigation on the structure and stability of (MeO-NO)H <sup>+</sup> and the proton affinity of RO-NO (R = H, Me). <i>Chemical Physics Letters</i> , 1996, 258, 123-128.	2.6	15
50	Chiral Ions in the Gas Phase. 1. Intramolecular Racemization and Isomerization of O-Protonated (S)-trans-4-Hexen-3-ol. <i>Journal of the American Chemical Society</i> , 1997, 119, 4525-4534.	13.7	15
51	Cationic Germanium Fluorides: A Theoretical Investigation on the Structure, Stability, and Thermochemistry of GeFn/GeFn <sup>+</sup> (n = 1-3). <i>Journal of Physical Chemistry A</i> , 2006, 110, 4900-4905.	2.5	15
52	Ring-size effects on the ionization potentials of N-substituted azacycloalkanes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 667.	0.9	14
53	Gas-phase protonation of spiro-pentane. A novel entry into the C <sub>5</sub> H <sub>9</sub> <sup>+</sup> potential energy surface. <i>Journal of the American Chemical Society</i> , 1993, 115, 10338-10347.	13.7	14
54	Complexes of lithium cation with nitrogen trifluoride: a computational investigation on the structure and stability of Li <sup>+</sup> (NF <sub>3</sub> ) isomers. <i>Computational and Theoretical Chemistry</i> , 2001, 574, 185-193.	1.5	14

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55	Experimental observation of stable cyanodiazonium ions, $\text{NC}\equiv\text{N}_2^+$ . Journal of the Chemical Society Chemical Communications, 1994, , 2173-2174.	2.0	13
56	Gas-phase protonation of nitrosyl hydride: a GAUSSIAN-1 ab initio MO study of the structure, stability, and unimolecular interconversion processes of various $[\text{H}_2\text{N}_2\text{O}]^+$ isomers. The Journal of Physical Chemistry, 1992, 96, 2100-2103.	2.9	12
57	$\text{FBeNg}^+$ ( $\text{Ng}=\text{He, Ne, Ar}$ ): Suitable Cations for Salts of the Lightest Noble Gases?. Angewandte Chemie - International Edition, 2000, 39, 1690-1692.	13.8	12
58	Gas-phase heteroaromatic substitution. 13. A quantitative application of the curve-crossing reactivity model to heteroaromatic substitution. Journal of the American Chemical Society, 1991, 113, 4550-4557.	13.7	11
59	Nitrogen Trifluoride as a Bifunctional Lewis Base: Implications for the Adsorption of $\text{NF}_3$ on Solid Surfaces. European Journal of Inorganic Chemistry, 2004, 2004, 1125-1130.	2.0	11
60	Ion chemistry in germane/fluorocompounds gaseous mixtures: a mass spectrometric and theoretical study. Journal of Mass Spectrometry, 2008, 43, 1320-1333.	1.6	11
61	Evidence for $\sigma$ - $\pi$ interaction in some allyltin compounds. UV photoelectron spectroscopy and LCBO calculations. Journal of Organometallic Chemistry, 1986, 315, 287-297.	1.8	10
62	Gas-phase heteroaromatic substitution. 8. Electrophilic attack of ethyl cation on pyrrole, N-methylpyrrole, furan, and thiophene. Journal of the American Chemical Society, 1990, 112, 3064-3068.	13.7	10
63	Protonated thiohypofluorous acid, $\text{FSH}_2^+$ . Theoretically predicted to be stable and experimentally observed in the gas phase. Chemical Physics Letters, 1996, 253, 189-195.	2.6	10
64	Gas-phase chemistry of ionized and protonated $\text{GeF}_4$ : a joint experimental and theoretical study. Journal of Mass Spectrometry, 2011, 46, 465-477.	1.6	10
65	Complexes of helium with neutral molecules: Progress toward a quantitative scale of bonding character. Journal of Computational Chemistry, 2020, 41, 1000-1011.	3.3	10
66	Noble-gas compounds: A general procedure of bonding analysis. Journal of Chemical Physics, 2022, 156, 014104.	3.0	10
67	Gas-phase ion chemistry of $\text{H}_3\text{BO}_3$ . Protonated orthoboric, metaboric and polyboric acids, and their anions in the gas phase. Journal of the Chemical Society Chemical Communications, 1991, , 66-68.	2.0	9
68	Structure and stability of various $(\text{C}_2\text{H}_5\text{Ge})^+$ ions: an ab initio molecular orbital study. The Journal of Physical Chemistry, 1993, 97, 4945-4950.	2.9	9
69	Activation of Carbon Dioxide by Coordination with Cations in the Gas Phase: $\text{SiF}_3^+$ -Mediated Coupling of $\text{CO}_2$ and Aromatic $\text{C}\equiv\text{C}-\text{H}$ Bonds. Angewandte Chemie International Edition in English, 1996, 35, 2522-2524.	4.4	9
70	A computational investigation on the mechanism of the reaction between $\text{O}(^1\text{D})$ and $\text{NF}_3$ . Chemical Physics Letters, 2002, 366, 676-682.	2.6	9
71	Structure and stability of $\text{H}_4\text{NO}_4^+$ ions: an ab initio theoretical investigation. The Journal of Physical Chemistry, 1992, 96, 4354-4358.	2.9	8
72	Structure and Stability of Isomeric $\text{C}_2\text{GeH}_7^+$ Ions. An ab Initio Post-SCF Study. The Journal of Physical Chemistry, 1995, 99, 17724-17728.	2.9	8

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73	Cationic germanium fluorides. <i>International Journal of Mass Spectrometry</i> , 2006, 257, 50-59.	1.5	8
74	Gas-phase reactions of $XH_3^+$ ( $X = C, Si, Ge$ ) with $NF_3$ : a comparative investigation on the detailed mechanistic aspects. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1348-1358.	1.6	8
75	On the Proton-Bound Noble Gas Dimers $(Ng-H-Ng)^+$ and $(Ng-H-Ng^{\text{TM}})^+$ ( $Ng, Ng^{\text{TM}} = He-Xe$ ): Relationships between Structure, Stability, and Bonding Character. <i>Molecules</i> , 2021, 26, 1305.	3.8	8
76	From LAr to L-ArBeO ( $L=He, Ne, Ar, HF$ ): Switching on $\sigma$ -hole effects in non-covalent interactions. <i>Chemical Physics Letters</i> , 2021, 768, 138402.	2.6	8
77	Relative stability of isomeric methyl nitrate cations $(CH_3NO_3)H^+$ . <i>Journal of the Chemical Society Perkin Transactions II</i> , 1989, , 413.	0.9	7
78	Positive ion chemistry of gaseous boric and polyboric acids. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992, 117, 47-63.	1.8	7
79	Ionic Lewis superacids in the gas phase. Part 4. $CF_3$ initiated ion/molecule reaction patterns in the $^{13}C$ -radiolysis of $CF_4/n$ -bases gaseous mixtures. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994, 130, 207-222.	1.8	7
80	$FSO^+$ and $FSO_2^+$ ions from ionised sulfur oxyfluorides: a computational investigation on the structure, stability, and thermochemistry. <i>Chemical Physics Letters</i> , 2003, 372, 455-463.	2.6	7
81	Protonated $MF_3$ ( $M=N, Bi$ ): Structure, stability, and thermochemistry of the $H^+MF_3$ and $HF^+MF_2$ isomers. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 557-561.	1.7	7
82	Positive Ion Chemistry of $SiH_4/NF_3$ Gaseous Mixtures Studied by Ion Trap Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 209-220.	1.0	7
83	Stabilization of $HHeF$ by Complexation: Is it a Really Viable Strategy?. <i>Chemistry - A European Journal</i> , 2010, 16, 6257-6264.	3.3	7
84	Complexes of the Noble Gases with $H_3O^+$ : A Theoretical Investigation of $Ng(H_3O^+)$ ( $Ng = He-Xe$ ). <i>European Journal of Mass Spectrometry</i> , 2015, 21, 171-181.	1.0	7
85	The $NF_2H^+$ and $NH_2F^+$ radical cations: conventional structures or ion-molecule complexes? A GAUSSIAN-1 study. <i>Chemical Physics Letters</i> , 1993, 204, 53-58.	2.6	6
86	Eliminative Ring Opening of Oxiranium Ions in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1673-1676.	13.8	6
87	$OBHe^+$ : a remarkably stable singly charged cation containing helium. <i>Chemical Physics Letters</i> , 2004, 398, 357-360.	2.6	6
88	Gaseous germyl cations: A theoretical investigation on the structure, properties, and mechanism of formation of and $(n=0-2)$ . <i>Computational and Theoretical Chemistry</i> , 2012, 993, 131-139.	2.5	6
89	Tin-sulfur and tin-selenium bonding in some tin(IV) compounds studied by UV photoelectron and NMR spectroscopy and pseudopotential ab initio calculations. <i>Organometallics</i> , 1988, 7, 262-266.	2.3	5
90	Eine auergewhnlich heftige molekulare Dissoziation: beispiellose Freisetzung kinetischer Energie beim Zerfall von $HONF$ , einem einfach geladenen, metastabilen Ion. <i>Angewandte Chemie</i> , 1994, 106, 104-106.	2.0	5

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91	Carbonylation of ammonia by gaseous $\text{FCO}^+$ . A G2 and Rice-Ramsperger-Kassel-Marcus study of the detailed mechanistic aspects. <i>International Journal of Mass Spectrometry</i> , 1999, 184, 89-101.	1.5	5
92	The Unimolecular Loss of HF by Simple Inorganic Ions: A Computational Dynamic Reaction Path Study. <i>European Journal of Mass Spectrometry</i> , 2000, 6, 31-37.	1.0	5
93	Concerning the reaction between singlet nitrenium ions and water: A computational investigation on competitive reaction paths. <i>Journal of Computational Chemistry</i> , 2003, 24, 547-564.	3.3	5
94	A computational investigation on the Lewis acidity of fluoro- and chloronitrenium ions. <i>Computational and Theoretical Chemistry</i> , 2003, 635, 221-227.	1.5	5
95	Fluoromethyl Cations and Group XIV Congeners $\text{AHnF}_3^{\text{n}+}$ (A = Si, Ge, Sn, Pb; n = 0-2): From Covalent Structures to Ion-Molecule Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3010-3015.	2.0	5
96	Ion/Molecule reactions in $\text{SiH}_4/\text{H}_2\text{S}$ and $\text{GeH}_4/\text{H}_2\text{S}$ mixtures. <i>Journal of Mass Spectrometry</i> , 2009, 44, 725-734.	1.6	5
97	Ion/Molecule reactions in $\text{SiH}_4/\text{H}_2\text{S}$ and $\text{GeH}_4/\text{H}_2\text{S}$ mixtures. <i>Journal of Mass Spectrometry</i> , 2009, 44, 725-734.	2.5	5
98	Bimolecular Homolytic Substitutions at Nitrogen: An Experimental and Theoretical Study on the Gas-Phase Reactions of Alkyl Radicals with $\text{NF}_3$ . <i>Chemistry - A European Journal</i> , 2015, 21, 15826-15834.	3.3	5
99	Bonding in square-planar $\text{MCl}(\text{CX})[\text{P}(\text{i-Pr})_3]_2$ complexes of rhodium and iridium (X = O and $\text{CH}_2$ ) studied by UV photoelectron spectroscopy and DV-X $\alpha$ calculations. <i>Journal of Organometallic Chemistry</i> , 1990, 382, 445-454.	1.8	4
100	Gas-phase protonation of simple inorganic molecules: A stimulating interplay between theory and experiment. <i>Organic Mass Spectrometry</i> , 1993, 28, 1504-1511.	1.3	4
101	Concerning the proton affinity of hydrazoic acid and methyl nitrate. <i>Journal of Organic Chemistry</i> , 1993, 58, 3639-3642.	3.2	4
102	Protonated $\text{NF}_3\text{O}$ . A G2MS theoretical study on the structure, stability, and interconversion of the $(\text{NF}_3\text{O})\text{H}^+$ isomers. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 175, 317-324.	1.8	4
103	Ligation of $\text{Be}^+$ and $\text{Mg}^+$ to $\text{NF}_3$ : Structure, stability, and thermochemistry of the $\text{Be}^+(\text{NF}_3)$ and $\text{Mg}^+(\text{NF}_3)$ complexes. <i>International Journal of Mass Spectrometry</i> , 2006, 255-256, 11-19.	1.5	4
104	Noble Gas Complexes: Theoretical Investigation of Multicenter Polynuclear Species. <i>Helvetica Chimica Acta</i> , 2007, 90, 1335-1352.	1.6	4
105	Uncommon electronic effects on the gas-phase Brønsted acidity of isomeric hydroxyphenylium ions. <i>Chemical Physics Letters</i> , 1994, 229, 581-586.	2.6	3
106	Spin-forbidden $\text{F}^+$ transfer between $2\text{NF}^+$ and $\text{CO}$ : a computational study on the detailed mechanistic aspects. <i>International Journal of Mass Spectrometry</i> , 2000, 201, 151-160.	1.5	3
107	A Computational Investigation of $\text{HCN}_2^+$ Isomeric Structures: Implications for the Chemistry of Titan's Atmosphere. <i>ChemPhysChem</i> , 2004, 5, 1345-1351.	2.1	3
108	$\text{FN}^+\text{Cl}$ Ions from Ionized $\text{F}_2\text{NCl}$ : a Computational Investigation on the Structure and Reactivity toward $\text{H}_2\text{O}$ . <i>Helvetica Chimica Acta</i> , 2004, 87, 1467-1482.	1.6	3



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109	Ge <sub>3</sub> H <sub>n</sub> -Anions (n = 0-5) and Their Neutral Analogues: A Theoretical Investigation on the Structure, Stability, and Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9429-9437.	2.5	3
110	Gas-phase reactions of SiH <sub>4</sub> <sup>+</sup> (n = 1,2) with NF <sub>3</sub> : A computational investigation on the detailed mechanistic aspects. <i>Journal of Computational Chemistry</i> , 2012, 33, 1918-1926.	3.3	3
111	Gas-phase ion chemistry of NF <sub>3</sub> /SO <sub>2</sub> mixtures: A mass spectrometric and theoretical investigation. <i>International Journal of Mass Spectrometry</i> , 2007, 266, 86-91.	1.5	2
112	Positive Ion Chemistry of SiH <sub>4</sub> /GeF <sub>4</sub> Gaseous Mixtures Studied by Ion Trap Mass Spectrometry and <i>Ab Initio</i> Calculations. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 197-206.	1.0	2
113	Concerning the Role of $\pi$ -Hole in Non-Covalent Interactions: Insights from the Study of the Complexes of ArBeO with Simple Ligands. <i>Molecules</i> , 2021, 26, 4477.	3.8	2
114	Comment on "Computational Investigation of SO <sub>3</sub> <sup>-</sup> NH <sub>3</sub> -nXn (n = 0-3; X = F, Cl) Interactions". <i>Journal of Physical Chemistry A</i> , 2005, 109, 2410-2411.	2.5	1
115	Cl-Initiated oxidation of N-ethyl-perfluoroalkanesulfonamides: A theoretical insight into the experimentally observed products. <i>Computational and Theoretical Chemistry</i> , 2008, 857, 57-65.	1.5	1
116	Germyl Cations with Ge-S Bonds: An Experimental and Theoretical Study on the Gaseous F <sub>3</sub> Ge(SH) <sub>3</sub> <sup>+</sup> (n = 0-2). <i>European Journal of Mass Spectrometry</i> , 2012, 18, 447-456.	1.0	1
117	Electronic structure and conformational flexibility of d-cycloserine. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25845-25853.	2.8	1
118	Complexes of the noble-gas atoms with unsaturated ions: A theoretical investigation on the exemplary (H <sub>2</sub> C=NH <sub>2</sub> <sup>+</sup> )Ar. <i>Chemical Physics Letters</i> , 2020, 752, 137532.	2.6	1
119	Aktivierung von Kohlendioxid durch Koordination mit Kationen in der Gasphase: SiF <sub>3</sub> <sup>+</sup> -vermittelte Carbonylierung von Arenen mit Kohlendioxid. <i>Angewandte Chemie</i> , 1996, 108, 2674-2676.	2.0	0
120	Helium Chemistry: A Survey of the Role of the Ionic Species. <i>ChemInform</i> , 2005, 36, no.	0.0	0
121	Ion chemistry of sulfuryl fluoride: An experimental and theoretical study on gas-phase reactions involving neutral and ionized SO <sub>2</sub> F <sub>2</sub> . <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 46-53.	1.5	0