

Paola Antoniotti

List of Publications by Year in descending order

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papers

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36
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Phase Ion-Molecule Reactions in Phosphine/Silane Mixtures. <i>The Journal of Physical Chemistry</i> , 1996, 100, 155-162.	2.9	26
2	Experimental and Theoretical Study of the Formation of Silicon-Carbon Ion Species in Gaseous Silane/Ethene Mixtures. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10945-10954.	2.5	25
3	Gas-phase ion chemistry of silane with ethane and ethyne. <i>Journal of Organometallic Chemistry</i> , 1999, 589, 150-156.	1.8	17
4	Experimental and Theoretical Study of the Formation of Germanium-Carbon Ion Species in Gaseous Germane/Ethene Mixtures. <i>Organometallics</i> , 2001, 20, 382-391.	2.3	16
5	Non-linear optical properties of $^{12}\text{-D}$ -fructopyranose calcium chloride MOFs: an experimental and theoretical approach. <i>Journal of Materials Science</i> , 2015, 50, 4330-4341.	3.7	16
6	Cationic Germanium Fluorides: A Theoretical Investigation on the Structure, Stability, and Thermochemistry of $\text{GeFn}/\text{GeFn}^+(n=1-3)$. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4900-4905.	2.5	15
7	Negative ion clusters in self-condensation of GeH_4 . <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 185-191.	1.5	12
8	An Experimental and Theoretical Study of Gaseous Products in the Radiolysis of Germane/Ethylene Mixtures. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 323-332.	2.0	11
9	Nitrogen Trifluoride as a Bifunctional Lewis Base: Implications for the Adsorption of NF_3 on Solid Surfaces. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1125-1130.	2.0	11
10	Ion chemistry in germane/fluorocompounds gaseous mixtures: a mass spectrometric and theoretical study. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1320-1333.	1.6	11
11	Radiolysis of binary systems containing germanium and carbon hydrides. <i>Radiation Physics and Chemistry</i> , 1996, 48, 457-462.	2.8	10
12	A computational investigation on the mechanism of the reaction between $\text{O}(1\text{D})$ and NF_3 . <i>Chemical Physics Letters</i> , 2002, 366, 676-682.	2.6	9
13	Cationic germanium fluorides. <i>International Journal of Mass Spectrometry</i> , 2006, 257, 50-59.	1.5	8
14	Gas-phase reactions of XH_3^+ ($X = \text{C}, \text{Si}, \text{Ge}$) with NF_3 : a comparative investigation on the detailed mechanistic aspects. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1348-1358.	1.6	8
15	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
16	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
17	A theoretical study of structure and stability of various Ge_2H_m^+ ($m=0-5$) ions. <i>Computational and Theoretical Chemistry</i> , 2003, 663, 1-7.	1.5	6
18	Synthesis, structure and non-linear optical properties of new isostructural $^{12}\text{-D}$ -fructopyranose alkaline halide metal-organic frameworks: a theoretical and an experimental study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 737-743.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Fluoromethyl Cations and Group XIV Congeners $AHnF_3^{\oplus n}$ (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
20	Bimolecular Homolytic Substitutions at Nitrogen: An Experimental and Theoretical Study on the Gas-Phase Reactions of Alkyl Radicals with NF_3 . <i>Chemistry - A European Journal</i> , 2015, 21, 15826-15834.	3.3	5
21	Developing new Sr_2 and Zr -fructopyranose-based metal-organic frameworks with nonlinear optical properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 210-218.	1.1	4
22	Synthesis and Characterization of New Lithium and Boron Based Metal Organic Frameworks with NLO Properties for Application in Neutron Capture Therapy. <i>Processes</i> , 2020, 8, 558.	2.8	4
23	A Computational Investigation of HCN_2^+ Isomeric Structures: Implications for the Chemistry of Titan's Atmosphere. <i>ChemPhysChem</i> , 2004, 5, 1345-1351.	2.1	3
24	Ge_3H_n -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
25	Gas-phase reactions of SiH_n ($n = 1, 2$) with NF_3 : A computational investigation on the detailed mechanistic aspects. <i>Journal of Computational Chemistry</i> , 2012, 33, 1918-1926.	3.3	3
26	Gas-phase ion chemistry of NF_3/SO_2 mixtures: A mass spectrometric and theoretical investigation. <i>International Journal of Mass Spectrometry</i> , 2007, 266, 86-91.	1.5	2
27	Experimental and Theoretical Study on the Gas-Phase Reactions of Germyl Radicals with NF_3 : Homolytic Substitution at the Nitrogen Atom vs Fluorine Abstraction. <i>ACS Omega</i> , 2020, 5, 4907-4914.	3.5	2
28	Crystal structure or chemical composition of salt-sugar-based metal-organic frameworks: what are the nonlinear optical properties due to?. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 506-514.	1.1	2
29	Ion chemistry of sulfuranyl fluoride: An experimental and theoretical study on gas-phase reactions involving neutral and ionized SO_2F_2 . <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 46-53.	1.5	0