

Viktoriya Poterya

List of Publications by Year in descending order

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papers

762
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430874

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all docs

36
docs citations

36
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electron molecular ion recombination: Product excitation and fragmentation. <i>Mass Spectrometry Reviews</i> , 2006, 25, 798-828.	5.4	54
2	Flowing Afterglow Studies of the Temperature Dependencies for Dissociative Recombination of O ₂ ⁺ , CH ₅ ⁺ , C ₂ H ₅ ⁺ , and C ₆ H ₇ ⁺ with Electrons. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6704-6708.	2.5	46
3	Extensive water cluster fragmentation after low energy electron ionization. <i>Chemical Physics Letters</i> , 2014, 612, 256-261.	2.6	46
4	Generation and orientation of organoxenon molecule HXeCCH in the gas phase. <i>Journal of Chemical Physics</i> , 2008, 128, 104313.	3.0	41
5	Nucleation of Mixed Nitric Acid-Water Ice Nanoparticles in Molecular Beams that Starts with a HNO ₃ Molecule. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3096-3101.	4.6	40
6	Experimental and theoretical study of the pyrrole cluster photochemistry: Closing the $\tilde{\text{I}}\tilde{\text{E}}\tilde{\text{I}}\tilde{\text{f}}^*$ dissociation pathway by complexation. <i>Journal of Chemical Physics</i> , 2007, 127, 064307.	3.0	37
7	Photodissociation of hydrogen halide molecules on free ice nanoparticles. <i>Journal of Chemical Physics</i> , 2007, 126, 071101.	3.0	37
8	Water photodissociation in free ice nanoparticles at 243 nm and 193 nm. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4835.	2.8	34
9	Emergence of Charge-Transfer-to-Solvent Band in the Absorption Spectra of Hydrogen Halides on Ice Nanoparticles: Spectroscopic Evidence for Acidic Dissociation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5344-5353.	2.5	34
10	Mechanisms of Electron-Ion Recombination of N ₂ H ⁺ /N ₂ D ⁺ and HCO ⁺ /DCO ⁺ Ions: Temperature Dependence and Isotopic Effect. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7181-7186.	2.5	30
11	Pickup and reactions of molecules on clusters relevant for atmospheric and interstellar processes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3195-3213.	2.8	30
12	Lack of Aggregation of Molecules on Ice Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8991-8999.	2.5	28
13	Mass spectrometry of hydrogen bonded clusters of heterocyclic molecules: Electron ionization vs. photoionization. <i>International Journal of Mass Spectrometry</i> , 2010, 290, 85-93.	1.5	27
14	Fragmentation Dynamics of Size-Selected Pyrrole Clusters Prepared by Electron Impact Ionization: Forming a Solvated Dimer Ion Core. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12477-12486.	2.5	24
15	Clustering and Photochemistry of Freon CF ₂ Cl ₂ on Argon and Ice Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4740-4749.	2.5	23
16	Photoinduced Processes in Hydrogen Bonded System: Photodissociation of Imidazole Clusters. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14583-14590.	2.5	21
17	Photochemistry of HI on argon and water nanoparticles: Hydronium radical generation in HI(H ₂ O) _n . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2250-2258.	2.8	20
18	C ₃ H ₃ Isomers: Temperature Dependencies of Production in the H ₃ +Reaction with Allene and Loss by Dissociative Recombination with Electrons. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5119-5123.	2.5	18

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19	Solvent-Induced Photostability of Acetylene Molecules in Clusters Probed by Multiphoton Dissociation. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7322-7330.	2.5	18
20	Hydrogen bond dynamics in the excited states: Photodissociation of phenol in clusters. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8936.	2.8	18
21	Caging of Cl atoms from photodissociation of CF ₂ Cl ₂ in clusters. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 421-429.	2.8	18
22	Fragmentation of size-selected Xe clusters: Why does the monomer ion channel dominate the Xen and ionization?. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 78-84.	1.5	15
23	Atmospheric processes on ice nanoparticles in molecular beams. <i>Frontiers in Chemistry</i> , 2014, 2, 4.	3.6	15
24	Photodissociation of aniline N-H bonds in clusters of different nature. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25004-25013.	2.8	15
25	Development of a novel technique for quantitatively determining the products of electron-ion dissociative recombination. <i>International Journal of Mass Spectrometry</i> , 2009, 285, 1-11.	1.5	14
26	Photodissociation dynamics of ethanethiol in clusters: complementary information from velocity map imaging, mass spectrometry and calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25734-25741.	2.8	10
27	Vibrationally mediated photodissociation dynamics of pyrrole. <i>AIP Advances</i> , 2019, 9, 035151.	1.3	9
28	Clustering of Uracil Molecules on Ice Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1069-1077.	2.5	8
29	Ion and radical chemistry in (H ₂ O) ₂ (N) clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15312-15320.	2.8	7
30	Short review on the acetylene photochemistry in clusters: photofragment caging and reactivity. <i>Molecular Physics</i> , 2012, 110, 2817-2828.	1.7	6
31	Generation of (H ₂ O) ₂ N clusters on argon and ice nanoparticles. <i>International Journal of Mass Spectrometry</i> , 2021, 461, 116514.	1.5	5
32	Bimolecular reactions on sticky and slippery clusters: Electron-induced reactions of hydrogen peroxide. <i>Journal of Chemical Physics</i> , 2022, 156, 054306.	3.0	5
33	Proton transfer and isotope-induced reaction in aniline cluster ions. <i>Journal of Mass Spectrometry</i> , 2015, 50, 643-649.	1.6	3
34	Different Dynamics of CH ₃ and Cl Fragments from Photodissociation of CH ₃ Cl in Clusters. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7633-7643.	2.5	3
35	Energy partitioning and spin-orbit effects in the photodissociation of higher chloroalkanes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14340-14351.	2.8	2
36	Heterogeneous Reactions of Methane with Cl Radicals on Large ArN Clusters. <i>Journal of Physical Chemistry A</i> , 2022, 126, 249-258.	2.5	1