

Hideya Koizumi

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Heats of Formation of the Acetyl Radical and Ion Obtained by Threshold Photoelectron Photoion Coincidence. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5288-5294.	2.5	55
2	Bond Dissociation Energies and Structures of CuNO ⁺ and Cu(NO) ₂ ⁺ . <i>Inorganic Chemistry</i> , 2002, 41, 5882-5890.	4.0	46
3	Collision-Induced Dissociation and Theoretical Studies of Cu ⁺ -Dimethyl Ether Complexes. <i>Journal of Physical Chemistry A</i> , 2001, 105, 2444-2452.	2.5	45
4	Sequential bond energies of Ag ⁺ (H ₂ O) _n and Ag ⁺ (dimethyl ether) _n , n = 1-4, determined by threshold collision-induced dissociation. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 221-235.	1.5	35
5	The kinetic energy dependence of association reactions. A new thermokinetic method for large systems. <i>Journal of Chemical Physics</i> , 2003, 119, 12819-12829.	3.0	35
6	Collision-induced dissociation and theoretical studies of Cu ⁺ -dimethoxyethane complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 480-489.	2.8	31
7	Simulation of duty cycle-based trapping and ejection of massive ions using linear digital quadrupoles: The enabling technology for high resolution time-of-flight mass spectrometry in the ultra high mass range. <i>International Journal of Mass Spectrometry</i> , 2011, 304, 36-40.	1.5	27
8	Heats of Formation of the Propionyl Ion and Radical and 2,3-Pentanedione by Threshold Photoelectron Photoion Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 939-946.	2.5	24
9	Sequential Bond Energies of Fe ⁺ (CO) _n , n = 1-5, Determined by Threshold Collision-Induced Dissociation and ab Initio Theory. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11365-11375.	2.5	22
10	Heats of formation of GeH ₄ , GeF ₄ and Ge(CH ₃) ₄ . <i>Chemical Physics</i> , 2006, 324, 385-392.	1.9	22
11	Trapping of Intact, Singly-Charged, Bovine Serum Albumin Ions Injected from the Atmosphere with a 10-cm Diameter, Frequency-Adjusted Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1942-1947.	2.8	21
12	Collision-Induced Dissociation and Theoretical Studies of Ag ⁺ (methanol) _n , n = 1-4. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2829-2838.	2.5	18
13	Reaction of Cu ⁺ with dimethoxyethane: Competition between association and multiple dissociation channels. <i>Journal of Chemical Physics</i> , 2004, 120, 756-766.	3.0	16
14	Derivation of mathematical expressions to define resonant ejection from square and sinusoidal wave ion traps. <i>International Journal of Mass Spectrometry</i> , 2009, 286, 64-69.	1.5	16
15	Controlling the expansion into vacuum—the enabling technology for trapping atmosphere-sampled particulate ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 242-248.	2.8	13
16	Theoretical and ATR-FTIR study of free 12-crown-4 in aqueous solution. <i>Chemical Physics Letters</i> , 2011, 502, 253-258.	2.6	12
17	The Heats of Formation of tert-Butyl Isocyanide and Other Alkyl Isocyanides by Photoelectron Photoion Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5956-5961.	2.5	11
18	Threshold Photoelectron Photoion Coincidence Spectroscopy: Dissociation Dynamics and Thermochemistry of Ge(CH ₃) ₄ , Ge(CH ₃) ₃ Cl, and Ge(CH ₃) ₃ Br. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5032-5037.	2.5	11

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19	The effect of endcap electrode holes on the resonant ejection from an ion trap. International Journal of Mass Spectrometry, 2009, 281, 108-114.	1.5	10
20	A novel phase-coherent programmable clock for high-precision arbitrary waveform generation applied to digital ion trap mass spectrometry. International Journal of Mass Spectrometry, 2010, 292, 23-31.	1.5	10
21	A hybrid approach to calculating Coulombic interactions: An effective and efficient method for optimization of simulations of many ions in quadrupole ion storage device with SIMION. International Journal of Mass Spectrometry, 2012, 315, 74-80.	1.5	7
22	Characterization of quadrupole mass filters operated with frequency-asymmetric and amplitude-asymmetric waveforms. International Journal of Mass Spectrometry, 2016, 404, 8-13.	1.5	7
23	The role of hydroxyl groups in interchain interactions in cellulose I _± and I ₂ . International Journal of Quantum Chemistry, 2017, 117, e25357.	2.0	4
24	Coupled cluster study of the partial charge of hydrogen in HnX molecules in s and p block: Relationship with electronegativity. Chemical Physics Letters, 2020, 755, 137763.	2.6	4
25	Application of Parallel Hybrid Algorithm in Massively Parallel GPGPU—The Improved Effective and Efficient Method for Calculating Coulombic Interactions in Simulations of Many Ions with SIMION. Journal of the American Society for Mass Spectrometry, 2012, 23, 1609-1615.	2.8	2
26	Vibrational band assignment of 2-ethyl-1-hexanol. Journal of Theoretical and Computational Chemistry, 2017, 16, 1750023.	1.8	2
27	ESI-QIMS Investigation of Sr, Rb, and Crown Ether Mixture Solutions. Analytical Letters, 2011, 44, 2170-2181.	1.8	0