

Tomas Baer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5169573/publications.pdf>

Version: 2024-02-01

156
papers

6,974
citations

76196

40
h-index

95083

68
g-index

157
all docs

157
docs citations

157
times ranked

2792
citing authors

#	ARTICLE	IF	CITATIONS
1	Unimolecular Reaction Dynamics. , 1996, , .		1,002
2	Suppression of hot electrons in threshold photoelectron photoion coincidence spectroscopy using velocity focusing optics. Review of Scientific Instruments, 2003, 74, 3763-3768.	0.6	243
3	Imaging photoelectron photoion coincidence spectroscopy with velocity focusing electron optics. Review of Scientific Instruments, 2009, 80, 034101.	0.6	191
4	Reactive Uptake of Ozone by Oleic Acid Aerosol Particles: Application of Single-Particle Mass Spectrometry to Heterogeneous Reaction Kinetics. Journal of Physical Chemistry A, 2002, 106, 8085-8095.	1.1	182
5	Modeling unimolecular reactions in photoelectron photoion coincidence experiments. Journal of Mass Spectrometry, 2010, 45, 1233-1245.	0.7	160
6	Data acquisition schemes for continuous two-particle time-of-flight coincidence experiments. Review of Scientific Instruments, 2007, 78, 084102.	0.6	155
7	Photoionization resonance studies with a steradiancy analyzer. II. The photoionization of CH ₃ I. Chemical Physics Letters, 1969, 4, 243-247.	1.2	153
8	Aerosol mass spectrometry: An introductory review. International Journal of Mass Spectrometry, 2006, 258, 2-12.	0.7	136
9	Gas-Phase Ion Dynamics and Chemistry. The Journal of Physical Chemistry, 1996, 100, 12866-12877.	2.9	133
10	4076-4085.	1.2	130
11	Photoionization study of the ionization potentials and fragmentation paths of the chlorinated methanes and carbon tetrabromide. Journal of Chemical Physics, 1974, 60, 3650-3657.	1.2	116
12	Advances in threshold photoelectron spectroscopy (TPES) and threshold photoelectron photoion coincidence (TPEPICO). Physical Chemistry Chemical Physics, 2017, 19, 9698-9723.	1.3	114
13	Absolute unimolecular decay rates of energy selected C ₄ H ₆ +metastable ions. Journal of Chemical Physics, 1975, 62, 2900-2910.	1.2	105
14	Non-Franck-Condon transitions in resonant autoionization of N ₂ O. Journal of Chemical Physics, 1979, 70, 1585-1592.	1.2	104
15	Interactions between neutral dissociation and ionization continua in N ₂ O. Journal of Chemical Physics, 1983, 78, 3665-3672.	1.2	102
16	Dissociative Photoionization and Thermochemistry of Dihalomethane Compounds Studied by Threshold Photoelectron Photoion Coincidence Spectroscopy. Journal of Physical Chemistry A, 2005, 109, 1802-1809.	1.1	94
17	Kinetic energy release distributions for the dissociation of internal energy selected CH ₃ I ⁺ and CD ₃ I ⁺ ions. Journal of Chemical Physics, 1976, 65, 2407-2415.	1.2	90
18	Threshold photoelectron photoion coincidence studies of parallel and sequential dissociation reactions. Physical Chemistry Chemical Physics, 2005, 7, 1507-1513.	1.3	90

#	ARTICLE	IF	CITATIONS
19	Ion spectroscopy: Where did it come from; where is it now; and where is it going?. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 681-693.	1.2	89
20	Heats of Formation of $C_6H_5^+$, $C_6H_5^+$, and C_6H_5NO by Threshold Photoelectron Photoion Coincidence and Active Thermochemical Tables Analysis. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13134-13145.	1.1	87
21	High-resolution pulsed field ionization photoelectron-photoion coincidence study of CH_4 : Accurate 0 K dissociation threshold for CH_3^+ . <i>Journal of Chemical Physics</i> , 1999, 111, 8267-8270.	1.2	82
22	Quantitative Detection of Aromatic Compounds in Single Aerosol Particle Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 2317-2322.	3.2	79
23	Specific Rate Constants (k) (E) of the Dissociation of the Halobenzene Ions: Analysis by Statistical Unimolecular Rate Theories. <i>Journal of Physical Chemistry A</i> , 2009, 113, 573-582.	1.1	78
24	High-resolution pulsed field ionization photoelectron-photoion coincidence spectroscopy using synchrotron radiation. <i>Review of Scientific Instruments</i> , 1999, 70, 3892-3906.	0.6	77
25	Synchrotron Radiation Based Aerosol Time-of-Flight Mass Spectrometry for Organic Constituents. <i>Analytical Chemistry</i> , 2005, 77, 5953-5960.	3.2	76
26	On the ionization and dissociative photoionization of iodomethane: a definitive experimental enthalpy of formation of CH_3I . <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11013.	1.3	71
27	Autoionization and isotope effect in the threshold photoelectron spectrum of $^{12}CO_2$ and $^{13}CO_2$. <i>Journal of Chemical Physics</i> , 1986, 85, 4765-4778.	1.2	68
28	Aerosol Uptake Described by Numerical Solution of the Diffusion-Reaction Equations in the Particle. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9582-9587.	1.1	59
29	The dissociation dynamics of state selected metastable aniline ions by single and multiphoton ionization. <i>Journal of Chemical Physics</i> , 1982, 76, 1304-1308.	1.2	57
30	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.	1.1	55
31	Photoion Photoelectron Coincidence Spectroscopy of Primary Amines RCH_2NH_2 ($R = H, CH_3, C_2H_5$). <i>Journal of Physical Chemistry A</i> , 2006, 110, 13425-13433.	1.1	55
32	A photoion-photoelectron coincidence (PIPECO) study of fragmentation rates and kinetic energy release in energy selected metastable ions. <i>Journal of Chemical Physics</i> , 1975, 63, 4384-4392.	1.2	51
33	The photoionization and dissociation dynamics of energy-selected acetylene dimers, trimers, and tetramers. <i>Journal of Chemical Physics</i> , 1993, 98, 186-200.	1.2	50
34	Threshold photoelectron spectroscopy with velocity focusing: an ideal match for coincidence studies. <i>International Journal of Mass Spectrometry</i> , 2002, 219, 381-389.	0.7	50
35	The dissociation dynamics of energy selected ion-dipole complexes. I. The cyclopropane ion-water complex $[C_3H_6^+OH_2]$. <i>Journal of Chemical Physics</i> , 1987, 87, 5242-5250.	1.2	47
36	Dissociation dynamics of halotoluene ions, production of tolyl, benzyl and tropylium ($[C_7H_7]^+$) ions. <i>Organic Mass Spectrometry</i> , 1989, 24, 1008-1016.	1.3	46

#	ARTICLE	IF	CITATIONS
37	Ion dissociation dynamics and thermochemistry by photoelectron photoion coincidence (PEPICO) spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2000, 200, 443-457.	0.7	45
38	Mass Spectrometry of Liquid Aniline Aerosol Particles by IR/UV Laser Irradiation. <i>Analytical Chemistry</i> , 1999, 71, 1802-1808.	3.2	44
39	Photoelectron Photoion Coincidence Studies of Ion Dissociation Dynamics. , 1991, , 259-296.		42
40	The rates of HCl loss from energy-selected ethylchloride ions: A case of tunneling through an H-atom transfer barrier. <i>Journal of Chemical Physics</i> , 1991, 94, 3649-3656.	1.2	42
41	High-resolution pulsed field ionization photoelectron-photoion coincidence study of C ₂ H ₂ : Accurate 0 K dissociation threshold for C ₂ H ⁺ . <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5259-5262.	1.3	42
42	Dissociation Kinetics of Energy-Selected (C ₆ H ₆) ₂ Cr ⁺ Ions: Benzene-Chromium Neutral and Ionic Bond Energies. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9820-9826.	1.1	42
43	Total cross sections for symmetric charge transfer reactions of O ₂ in selected translational and internal energy states. <i>Journal of Chemical Physics</i> , 1978, 68, 4901-4906.	1.2	41
44	State selection by photoion-photoelectron coincidence. , 1979, , 153-196.		41
45	Dissociation dynamics of energy-selected hexamethyldisilane ions and the heats of formation of trimethylsilyl(1+) ion ((CH ₃) ₃ Si ⁺) and trimethylsilyl radical ((CH ₃) ₃ Si). <i>Journal of the American Chemical Society</i> , 1984, 106, 273-278.	6.6	40
46	Cross sections for symmetric charge transfer reactions of NO ⁺ in selected vibrational and translational energy states. <i>Journal of Chemical Physics</i> , 1976, 65, 4001-4006.	1.2	38
47	Observation of Accurate Ion Dissociation Thresholds in Pulsed Field Ionization-Photoelectron Studies. <i>Physical Review Letters</i> , 2001, 86, 3526-3529.	2.9	38
48	Statistical energy partitioning in dissociation to several products. <i>Journal of Chemical Physics</i> , 1982, 76, 5917-5922.	1.2	37
49	Role of angular momentum in unimolecular kinetics: Kinetic energy release in fragmentation of C ₄ H ₆ ⁺ . <i>Journal of Chemical Physics</i> , 1977, 66, 5100-5104.	1.2	36
50	Identification of conformational isomers of methyl-substituted cyclohexanone and tetrahydropyran frozen in a molecular beam. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2852-2857.	2.9	36
51	The Dissociation Kinetics of Energy-Selected CpMn(CO) ₃ ⁺ Ions Studied by Threshold Photoelectron-Photoion Coincidence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 9388-9396.	6.6	36
52	Experimental and theoretical studies of isomeric CH ₃ S ₂ and CH ₃ S ₂ ⁺ . <i>Journal of Chemical Physics</i> , 1994, 100, 4870-4875.	1.2	34
53	Cross sections for symmetric charge transfer and proton transfer reactions of internal energy selected NH ₃ ⁺ (v). <i>Journal of Chemical Physics</i> , 1981, 75, 4477-4484.	1.2	33
54	Kinetic energy release distribution in the fragmentation of energy-selected vinyl and ethyl bromide ions. <i>Chemical Physics</i> , 1984, 85, 39-45.	0.9	33

#	ARTICLE	IF	CITATIONS
55	Pulsed field ionization-photoelectron photoion coincidence spectroscopy with synchrotron radiation: The heat of formation of the C ₂ H ₅ ⁺ ion. <i>Faraday Discussions</i> , 2000, 115, 137-145.	1.6	33
56	Dissociation Dynamics and Thermochemistry of Energy-Selected CpCo(CO) ₂ +Ions. <i>Journal of the American Chemical Society</i> , 2000, 122, 9219-9226.	6.6	33
57	Tunneling in H loss from energy selected ethanol ions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16047.	1.3	33
58	Isomerization and Dissociation in Competition. The Pentene Ion Story. <i>The Journal of Physical Chemistry</i> , 1995, 99, 17862-17871.	2.9	32
59	A time-of-flight detection system for near threshold photoelectron spectroscopy. <i>Review of Scientific Instruments</i> , 1974, 45, 494-498.	0.6	31
60	On the determination of cluster properties by ionization techniques. <i>Journal of Chemical Physics</i> , 1992, 96, 5541-5543.	1.2	31
61	Non-Statistical Chemical Reactions: The Isomerization over Low Barriers in Methyl and Ethyl Cyclohexanones. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9397-9402.	1.1	31
62	Thermochemistry and Dissociative Photoionization of Si(CH ₃) ₄ , BrSi(CH ₃) ₃ , ISi(CH ₃) ₃ , and Si ₂ (CH ₃) ₆ Studied by Threshold Photoelectron Photoion Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8572-8579.	1.1	31
63	The production and characterization by resonance enhanced multiphoton ionization of H ₂ (v=10) from photodissociation of H ₂ S. <i>Journal of Chemical Physics</i> , 1989, 91, 6113-6119.	1.2	30
64	The Heat of Formation of 2-C ₃ H ₇ ⁺ and Proton Affinity of C ₃ H ₆ Determined by Pulsed Field Ionization Photoelectron Photoion Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1959-1964.	1.1	30
65	Aerosol particle mass spectrometry with low photon energy laser ionization. <i>International Journal of Mass Spectrometry</i> , 2005, 241, 89-97.	0.7	30
66	2 + 1 REMPI spectra of cyclic ketones in a cold molecular beam. 1. Structural studies of the 3s Rydberg state in unsubstituted rings. <i>Journal of the American Chemical Society</i> , 1987, 109, 6915-6920.	6.6	29
67	A photo-ionization study of organosulfur ring compounds: Thiirane, thietane and tetrahydrothiophene. <i>Organic Mass Spectrometry</i> , 1983, 18, 248-253.	1.3	28
68	The Internal Energy of Neutral Ethylene Glycol Molecules Created in the Laser Vaporization of Aerosol Particles. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2119-2125.	1.1	28
69	Consecutive and Parallel Dissociation of Energy-Selected Co(CO) ₃ NO ⁺ Ions. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8046-8053.	1.1	27
70	A Photoelectron Photoion Coincidence Study of the Vinyl Bromide and Tribromoethane Ion Dissociation Dynamics: Heats of Formation of C ₂ H ₃ ⁺ , C ₂ H ₃ Br, C ₂ H ₃ Br ⁺ , C ₂ H ₃ Br ₂ ⁺ , and C ₂ H ₃ Br ₃ . <i>Journal of Physical Chemistry A</i> , 2006, 110, 3036-3041.	1.1	27
71	Transition state structures and angular momentum effects in the dissociation dynamics of energy-selected C ₄ H ⁺ ions. <i>Journal of Chemical Physics</i> , 1993, 99, 4441-4454.	1.2	26
72	The dissociation energies and mechanism of energy-selected bromo- and iodo-butan-1-ols. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 82, 299-318.	1.9	24

#	ARTICLE	IF	CITATIONS
73	The production and spectroscopy of excited sulfur atoms from the two-photon dissociation of H ₂ S. Journal of Chemical Physics, 1988, 89, 5507-5513.	1.2	24
74	Gas-phase measurement of \bar{I}^{∞} H ₀ between axial and equatorial conformations of 3-methylcyclopentanone. Chemical Physics, 2000, 256, 251-258.	0.9	24
75	Ethylene Glycol Ions Dissociate by Tunneling through an H-Atom Transfer Barrier: A DFT and TPEPICO Study. Journal of Physical Chemistry A, 2002, 106, 8658-8666.	1.1	24
76	Heats of Formation of the Propionyl Ion and Radical and 2,3-Pentanedione by Threshold Photoelectron Photoion Coincidence Spectroscopy. Journal of Physical Chemistry A, 2005, 109, 939-946.	1.1	24
77	Photoelectron spectrum of H ₂ S following multiphoton ionization. Journal of Chemical Physics, 1982, 76, 5648-5649.	1.2	23
78	Photodissociation of energy selected C ₄ H ₆ ions: The isomerization barrier between butyne and 1,3-butadiene ion isomers. Journal of Chemical Physics, 1986, 85, 6361-6367.	1.2	23
79	The 2 + 1 REMPI spectra of cyclic ketones in a cold molecular beam. 2. The n → π* Rydberg transition of methyl-substituted cyclohexanones and cyclopentanones. Journal of the American Chemical Society, 1988, 110, 3099-3106.	6.6	23
80	Dissociative photoionization of mono-, di- and trimethylamine studied by a combined threshold photoelectron photoion coincidence spectroscopy and computational approach. Physical Chemistry Chemical Physics, 2006, 8, 613-623.	1.3	23
81	Modeling ionic unimolecular dissociations from a temperature controlled TPEPICO study on 1-C ₄ H ₉ I ions. International Journal of Mass Spectrometry, 2007, 267, 159-166.	0.7	23
82	Binding Energies and Isomerization in Metallocene Ions from Threshold Photoelectron Photoion Coincidence Spectroscopy. Journal of the American Chemical Society, 2010, 132, 17795-17803.	6.6	23
83	Translational energies of fragment ions in the multiphoton ionization of benzene. Journal of Chemical Physics, 1982, 76, 5968-5973.	1.2	22
84	Neutral Cobalt Carbonyl Bond Energy by Combined Threshold Photoelectron Photoion Coincidence and He(I) Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2003, 107, 9486-9490.	1.1	22
85	Heats of Formation of Co(CO) ₂ NOPR ₃ , R = CH ₃ and C ₂ H ₅ , and Its Ionic Fragments. Journal of the American Chemical Society, 2005, 127, 9393-9402.	6.6	22
86	Experimental Thermochemistry of SiCl ₃ R (R = Cl, H, CH ₃ , C ₂ H ₅ , C ₂ H ₃ , CH ₂ Cl, SiCl ₃), SiCl ₃ ⁺ , and SiCl ₃ ⁺ . Journal of Physical Chemistry A, 2009, 113, 9458-9466.	1.1	22
87	Controlling tunnelling in methane loss from acetone ions by deuteration. Physical Chemistry Chemical Physics, 2015, 17, 28505-28509.	1.3	22
88	The mechanism for multiphoton ionization of H ₂ S. Journal of Chemical Physics, 1981, 75, 4422-4429.	1.2	21
89	Laser wavelength dependence of the REMPI mass spectrum of 2,4-hexadiyne: Direct evidence for dissociation through ionic states. Journal of Chemical Physics, 1981, 75, 477-478.	1.2	21
90	A Photoelectron Photoion Coincidence Study of the ICH ₂ CN Ion Dissociation: Thermochemistry of \bar{I}^{∞} CH ₂ CN, +CH ₂ CN, and ICH ₂ CN. Journal of Physical Chemistry A, 2000, 104, 1450-1455.	1.1	21

#	ARTICLE	IF	CITATIONS
91	Heats of Formation of HCCl_3 , HCCl_2Br , HCClBr_2 , HCClBr_3 , and Their Fragment Ions Studied by Threshold Photoelectron Photoion Coincidence. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10533-10538.	1.1	21
92	Dissociation of energy selected $\text{Sn}(\text{CH}_3)_4^+$, $\text{Sn}(\text{CH}_3)_3\text{Cl}^+$, and $\text{Sn}(\text{CH}_3)_3\text{Br}^+$ ions: evidence for isolated excited state dynamics. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17791.	1.3	21
93	Collisional dissociation of CH_2Br_2 in selected internal energy states. <i>Chemical Physics</i> , 1974, 6, 325-330.	0.9	20
94	Observations of Ethyl-Substituted Cyclohexanone and Cyclopentanone Rotamers Using Resonance-Enhanced Multiphoton Ionization Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1995, 99, 4458-4465.	2.9	20
95	The 3s Rydberg Spectra and Conformations of Methyl-Substituted Cyclopentanones. <i>The Journal of Physical Chemistry</i> , 1995, 99, 12090-12098.	2.9	20
96	A photoionization study of vibrational cooling in molecular beams. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 156, 133-139.	1.9	20
97	Dynamics in the Early Stages of Decomposition in Liquid Nitromethane and Nitromethane-Diethylamine Mixtures. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8273-8280.	1.1	20
98	Dissociative Photoionization Study of Neopentane: A Path to an Accurate Heat of Formation of the <i>t</i> -Butyl Ion, <i>t</i> -Butyl Iodide, and <i>t</i> -Butyl Hydroperoxide. <i>Journal of Physical Chemistry A</i> , 2010, 114, 804-810.	1.1	20
99	Tunneling in a Simple Bond Scission: The Surprising Barrier in the H Loss from HCOOH^+ . <i>Journal of Physical Chemistry A</i> , 2010, 114, 10016-10023.	1.1	20
100	Understanding the Complex Dissociation Dynamics of Energy Selected Dichloroethylene Ions: Neutral Isomerization Energies and Heats of Formation by Imaging Photoelectron Photoion Coincidence. <i>Journal of Physical Chemistry A</i> , 2011, 115, 726-734.	1.1	20
101	Isomerization and Dissociation in Competition: The Two-Component Dissociation Rates of Energy Selected Methyl Formate Ions. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1682-1690.	1.1	19
102	TPEPICO Spectroscopy of Vinyl Chloride and Vinyl Iodide: Neutral and Ionic Heats of Formation and Bond Energies. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5647-5652.	1.1	19
103	Dissociative Photoionization of $\text{X}(\text{CH}_3)_3$ ($\text{X} = \text{N}, \text{P}, \text{As}, \text{Sb}, \text{Bi}$): Mechanism, Trends, and Accurate Energetics. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8091-8098.	1.1	19
104	Resonance photoelectron spectroscopy from autoionization states of CH_3I . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1973, 2, 25-32.	0.8	18
105	H loss from CH_3Cl^+ . Evidence for a new electronic state in CH_3Cl^+ . <i>Journal of Chemical Physics</i> , 1974, 61, 5468-5469.	1.2	18
106	Two-component unimolecular decay rates of energy selected metastable ions. <i>Journal of Chemical Physics</i> , 1975, 62, 2497-2499.	1.2	18
107	Symmetric electron transfer reactions of state-selected ions: $\text{H}_2^+ + \text{H}_2 \rightarrow \text{H}_2 + \text{H}_2^+(\dot{1}/2 = 0 \times 10)$. <i>Chemical Physics Letters</i> , 1984, 109, 285-290.	1.2	18
108	An experimental link between the carbon-13 NMR chemical shift of carbonyl carbons and the energy shifts observed in the $n \rightarrow \pi^*$ optical transition of cyclic ketones. <i>Journal of the American Chemical Society</i> , 1988, 110, 6287-6291.	6.6	18

#	ARTICLE	IF	CITATIONS
109	The analysis of conformations and configurations of substituted cyclic ketones by multiphoton ionization. <i>Journal of Molecular Structure</i> , 1991, 249, 95-107.	1.8	18
110	Threshold photoelectron photoion coincidence study of the ethane loss from energy selected pentane ions cooled in a supersonic expansion. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 107, 301-317.	1.9	18
111	Spectroscopic gas phase determination of $\hat{\nu}^{\circ}\text{H}\hat{\text{A}}^{\circ}$ [axial/equatorial] for 3-methyl cyclohexanone. <i>Journal of Chemical Physics</i> , 1996, 105, 7605-7612.	1.2	18
112	Proton Tunneling in the Loss of Hydrogen Bromide from Energy-Selected Gas-Phase 2-Bromobutane Cations. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1090-1097.	1.1	18
113	Dissociation Dynamics of Energy Selected, Propane, and $\text{C}_3\text{H}_7\text{X}^+$ Ions by iPEPICO: Accurate Heats of Formation of $\text{C}_3\text{H}_7\text{Cl}$, $\text{C}_3\text{H}_7\text{Br}$, and $\text{C}_3\text{H}_7\text{I}$. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11285-11291.	1.1	18
114	Heats of Formation of t-Butyl Peroxy Radical and t-Butyl Diazyl Ion: RRKM vs SSACM Rate Theories in Systems with Kinetic and Competitive Shifts. <i>Journal of Physical Chemistry A</i> , 2010, 114, 232-240.	1.1	18
115	Kinetic energy release distributions for the dissociation of internal energy selected C_2H_5^+ ions. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1980, 77, 739-743.	0.2	18
116	IR Vaporization Mass Spectrometry of Aerosol Particles with Ionic Solutions: The Problem of Ion-Ion Recombination. <i>Journal of Physical Chemistry A</i> , 2003, 107, 11245-11252.	1.1	17
117	Dissociation dynamics and thermochemistry of chloroform and tetrachloroethane molecules studied by threshold photoelectron photoion coincidence. <i>International Journal of Mass Spectrometry</i> , 2006, 252, 20-25.	0.7	17
118	Photodissociation of the energy selected nitrobenzene ion. <i>Journal of Chemical Physics</i> , 1986, 84, 1424-1431.	1.2	16
119	Manganese-Chalco-carbonyl Bond Strengths from Threshold Photoelectron Photoion Coincidence Spectroscopy. <i>Organometallics</i> , 2006, 25, 6061-6067.	1.1	16
120	Analysis of autoionizing Rydberg states in HI and CH ₃ I. Comments on Rydberg electron wavefunctions. <i>Journal of Chemical Physics</i> , 1974, 61, 2047-2049.	1.2	15
121	Dissociation Dynamics of Sequential Ionic Reactions: Heats of Formation of Tri-, Di-, and Monoethylphosphine. <i>Journal of Physical Chemistry A</i> , 2007, 111, 16-26.	1.1	15
122	One- and Two-Dimensional Translational Energy Distributions in the Iodine-Loss Dissociation of 1,2- $\text{C}_2\text{H}_4\text{I}_2^+$ and 1,3- $\text{C}_3\text{H}_6\text{I}_2^+$: What Does This Mean?. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2833-2844.	1.1	15
123	On the Parallel Mechanism of the Dissociation of Energy-Selected $\text{P}(\text{CH}_3)_3^+$. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8393-8399.	1.2	14
124	Spectroscopic determination of $\hat{\nu}^{\circ}\text{H}\hat{\text{A}}^{\circ}$ for axial/equatorial and ethyl rotor conformations in 4-methyl and 4-ethyl cyclohexanone cooled in a supersonic jet. <i>Journal of Chemical Physics</i> , 1998, 108, 869-875.	1.2	13
125	Heat of Formation of the Allyl Ion by TPEPICO Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10710-10716.	1.1	13
126	The dissociation dynamics and thermochemistry of the acrolein ion studied by threshold photoelectron photoion coincidence spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2002, 218, 37-48.	0.7	12

#	ARTICLE	IF	CITATIONS
127	2-Methyl effects in the Rydberg spectra of methyl-substituted cyclohexanones. <i>Analytical Chemistry</i> , 1992, 64, 2604-2609.	3.2	11
128	Conformational and Energetic Analysis of Saturated Organic Ring Compounds by 2 + 1 Resonance-Enhanced Multiphoton Ionization Spectroscopy. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8970-8978.	1.1	11
129	Theoretical studies on the isomerization and dissociation of the acrolein ions. <i>International Journal of Mass Spectrometry</i> , 2002, 218, 19-35.	0.7	11
130	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.	1.1	11
131	The C ₃ H ₇ ⁺ Appearance Energy from 2-Iodopropane and 2-Chloropropane Studied by Threshold Photoelectron Photoion Coincidence. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 819-827.	0.5	11
132	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.	1.1	11
133	The dissociative ionization of ethylene dimers, trimers, and tetramers studied by photoelectron photoion coincidence. <i>Journal of Chemical Physics</i> , 1994, 100, 4294-4299.	1.2	10
134	Isomerization and dissociation in competition – The two-component dissociation dynamics of energy-selected C ₃ H ₆ O ₂ ⁺ isomers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 478-483.	0.9	10
135	Dissociation dynamics of energy-selected acetic acid ions: The gas phase heat of formation of the acetyl ion. <i>International Journal of Mass Spectrometry</i> , 2010, 294, 88-92.	0.7	10
136	Dissociation dynamics of phenetole cations by photoelectron photoion coincidence. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 464-469.	1.2	9
137	Sequential ortho effects: characterization of novel [M - 35] ⁺ fragment ions in the mass spectra of 2-alkyl-4, 6-dinitrophenols. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 69-75.	1.2	8
138	Stereochemical Analysis of Methyl-Substituted Cyclohexanes Using 2 + 1 Resonance-Enhanced Multiphoton Ionization Spectroscopy. <i>Analytical Chemistry</i> , 1995, 67, 4322-4329.	3.2	8
139	Isomerization and Dissociation in Competition: The Two-Component Dissociation Rates of Methyl Propionate Ions. <i>Journal of Physical Chemistry A</i> , 1999, 103, 1221-1227.	1.1	8
140	Infrared vibrational photodissociation spectra of Ar ₂ ⁺ ions. <i>Journal of Chemical Physics</i> , 1994, 101, 2793-2799.	1.2	7
141	The heat of formation of CISO ⁺ . <i>Chemical Physics Letters</i> , 1996, 261, 155-159.	1.2	7
142	Design of a timing circuit for random laser triggering on aerosol particles. <i>Review of Scientific Instruments</i> , 2006, 77, 013301.	0.6	7
143	Dissociation Dynamics and Thermochemistry of Tin Species, (CH ₃) ₃ Sn and (CH ₃) ₃ Sn ₂ , by Threshold Photoelectron Photoion Coincidence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 402-409.	1.1	7
144	Thermochemistry of gaseous ethylsilanes and their radical cations. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 597-605.	1.2	6

#	ARTICLE	IF	CITATIONS
145	Conformational Study of 3-Methyltetrahydropyran by (2+1) Resonance-Enhanced Multiphoton Ionization Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 509-513.	1.1	6
146	Threshold Photoelectron-Photoion Coincidence Spectroscopy: Dissociation of the 1-Chloroadamantane Ion and the Heat of Formation of the 1-Adamantyl Cation. <i>Journal of Physical Chemistry A</i> , 2002, 106, 272-278.	1.1	6
147	Thermochemical study of the liquid phase equilibrium reaction of dihalomethanes by NMR spectroscopy. <i>Chemical Physics Letters</i> , 2005, 409, 230-234.	1.2	6
148	Photoelectron Spectroscopy and Thermochemistry of tert-Butylisocyanide-Substituted Cobalt Tricarbonyl Nitrosyl. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7542-7550.	1.1	6
149	Design and operation of a 12.5 ns multichannel scaler. <i>Review of Scientific Instruments</i> , 1984, 55, 1849-1853.	0.6	5
150	On the dissociation of the 2-pentanone ion studied by threshold photoelectron photoion coincidence spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 403-411.	0.7	5
151	To roam or not to roam, that is the question for the methyl group in isopropanol cations. <i>International Journal of Mass Spectrometry</i> , 2021, 459, 116469.	0.7	5
152	The dissociation dynamics of energy-selected neopentylamine ions: Heats of formation of neopentylamine and neopentyl alcohol. <i>International Journal of Mass Spectrometry</i> , 2008, 278, 26-31.	0.7	4
153	Ethene loss kinetics of methyl 2-methyl butanoate ions studied by threshold photoelectron-photoion coincidence: The enol ion of methyl propionate heat of formation. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 200-208.	1.2	2
154	Ionic dissociation dynamics and energetics of hexamethyldigermanium, (CH ₃) ₆ Ge ₂ , by threshold photoelectron-photoion coincidence spectroscopy. <i>Chemical Physics Letters</i> , 2017, 684, 298-303.	1.2	2
155	Reactions of state selected ions studied with VUV radiation. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	0
156	The Role of Morphology on Aerosol Particle Reactivity. <i>ACS Symposium Series</i> , 2009, , 13-29.	0.5	0