

Tomas Baer

List of Publications by Year in descending order

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157
papers

6,974
citations

76326

40
h-index

95266

68
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157
all docs

157
docs citations

157
times ranked

2792
citing authors

#	ARTICLE	IF	CITATIONS
1	To roam or not to roam, that is the question for the methyl group in isopropanol cations. International Journal of Mass Spectrometry, 2021, 459, 116469.	1.5	5
2	Advances in threshold photoelectron spectroscopy (TPES) and threshold photoelectron photoion coincidence (TPEPICO). Physical Chemistry Chemical Physics, 2017, 19, 9698-9723.	2.8	114
3	Ionic dissociation dynamics and energetics of hexamethyldigermanium, (CH ₃) ₆ Ge ₂ , by threshold photoelectron-photoion coincidence spectroscopy. Chemical Physics Letters, 2017, 684, 298-303.	2.6	2
4	Controlling tunnelling in methane loss from acetone ions by deuteration. Physical Chemistry Chemical Physics, 2015, 17, 28505-28509.	2.8	22
5	Tunneling in H loss from energy selected ethanol ions. Physical Chemistry Chemical Physics, 2012, 14, 16047.	2.8	33
6	One- and Two-Dimensional Translational Energy Distributions in the Iodine-Loss Dissociation of 1,2-C ₂ H ₄ I ₂ ⁺ and 1,3-C ₃ H ₆ I ₂ ⁺ : What Does This Mean?. Journal of Physical Chemistry A, 2012, 116, 2833-2844.	2.5	15
7	Dissociation of energy selected Sn(CH ₃) ₄ ⁺ , Sn(CH ₃) ₃ Cl ⁺ , and Sn(CH ₃) ₃ Br ⁺ ions: evidence for isolated excited state dynamics. Physical Chemistry Chemical Physics, 2011, 13, 17791.	2.8	21
8	Understanding the Complex Dissociation Dynamics of Energy Selected Dichloroethylene Ions: Neutral Isomerization Energies and Heats of Formation by Imaging Photoelectron ⁺ Photoion Coincidence. Journal of Physical Chemistry A, 2011, 115, 726-734.	2.5	20
9	Dissociation Dynamics and Thermochemistry of Tin Species, (CH ₃) ₃ Sn and (CH ₃) ₆ Sn ₂ , by Threshold Photoelectron ⁺ Photoion Coincidence Spectroscopy. Journal of Physical Chemistry A, 2011, 115, 402-409.	2.5	7
10	Ion spectroscopy: Where did it come from; where is it now; and where is it going?. Journal of the American Society for Mass Spectrometry, 2010, 21, 681-693.	2.8	89
11	Modeling unimolecular reactions in photoelectron photoion coincidence experiments. Journal of Mass Spectrometry, 2010, 45, 1233-1245.	1.6	160
12	Dissociation dynamics of energy-selected acetic acid ions: The gas phase heat of formation of the acetyl ion. International Journal of Mass Spectrometry, 2010, 294, 88-92.	1.5	10
13	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. Journal of Physical Chemistry A, 2010, 114, 804-810.	2.5	20
14	Dissociation Dynamics of Energy Selected, Propane, and <i>i</i> -C ₃ H ₇ X ⁺ Ions by iPEPICO: Accurate Heats of Formation of <i>i</i> -C ₃ H ₇ ⁺ , <i>i</i> -C ₃ H ₇ Cl, <i>i</i> -C ₃ H ₇ Br, and <i>i</i> -C ₃ H ₇ I. Journal of Physical Chemistry A, 2010, 114, 11285-11291.	2.5	18
15	Heats of Formation of C ₆ H ₅ ⁺ , C ₆ H ₅ NO by Threshold Photoelectron Photoion Coincidence and Active Thermochemical Tables Analysis. Journal of Physical Chemistry A, 2010, 114, 13134-13145.	2.5	87
16	Heats of Formation of <i>t</i> -Butyl Peroxy Radical and <i>t</i> -Butyl Diazyl Ion: RRKM vs SSACM Rate Theories in Systems with Kinetic and Competitive Shifts. Journal of Physical Chemistry A, 2010, 114, 232-240.	2.5	18
17	Binding Energies and Isomerization in Metallocene Ions from Threshold Photoelectron Photoion Coincidence Spectroscopy. Journal of the American Chemical Society, 2010, 132, 17795-17803.	13.7	23
18	Tunneling in a Simple Bond Scission: The Surprising Barrier in the H Loss from HCOOH ⁺ . Journal of Physical Chemistry A, 2010, 114, 10016-10023.	2.5	20

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19	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.	2.5	22
20	Dissociative Photoionization of X(CH ₃) ₃ (X = N, P, As, Sb, Bi): Mechanism, Trends, and Accurate Energetics. Journal of Physical Chemistry A, 2009, 113, 8091-8098.	2.5	19
21	Heat of Formation of the Allyl Ion by TPEPICO Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 10710-10716.	2.5	13
22	Specific Rate Constants $k(E)$ of the Dissociation of the Halobenzene Ions: Analysis by Statistical Unimolecular Rate Theories. Journal of Physical Chemistry A, 2009, 113, 573-582.	2.5	78
23	On the ionization and dissociative photoionization of iodomethane: a definitive experimental enthalpy of formation of CH ₃ I. Physical Chemistry Chemical Physics, 2009, 11, 11013.	2.8	71
24	Imaging photoelectron photoion coincidence spectroscopy with velocity focusing electron optics. Review of Scientific Instruments, 2009, 80, 034101.	1.3	191
25	The Role of Morphology on Aerosol Particle Reactivity. ACS Symposium Series, 2009, , 13-29.	0.5	0
26	The dissociation dynamics of energy-selected neopentylamine ions: Heats of formation of neopentylamine and neopentyl alcohol. International Journal of Mass Spectrometry, 2008, 278, 26-31.	1.5	4
27	TPEPICO Spectroscopy of Vinyl Chloride and Vinyl Iodide: Neutral and Ionic Heats of Formation and Bond Energies. Journal of Physical Chemistry A, 2008, 112, 5647-5652.	2.5	19
28	Heats of Formation of HCCl ₃ , HCCl ₂ Br, HCClBr ₂ , HCClBr ₃ , and Their Fragment Ions Studied by Threshold Photoelectron Photoion Coincidence. Journal of Physical Chemistry A, 2008, 112, 10533-10538.	2.5	21
29	Data acquisition schemes for continuous two-particle time-of-flight coincidence experiments. Review of Scientific Instruments, 2007, 78, 084102.	1.3	155
30	Photoelectron Spectroscopy and Thermochemistry of tert-Butylisocyanide-Substituted Cobalt Tricarbonyl Nitrosyl. Journal of Physical Chemistry A, 2007, 111, 7542-7550.	2.5	6
31	Dissociation Dynamics of Sequential Ionic Reactions: Heats of Formation of Tri-, Di-, and Monoethylphosphine. Journal of Physical Chemistry A, 2007, 111, 16-26.	2.5	15
32	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.	1.5	23
33	Photoion Photoelectron Coincidence Spectroscopy of Primary Amines RCH ₂ NH ₂ (R = H, CH ₃ , C ₂ H ₅). Journal of Physical Chemistry A, 2006, 110, 13425-13433.	2.5	55
34	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. Journal of Physical Chemistry A, 2006, 110, 5032-5037.	2.5	11
35	Manganese Chalcocarbonyl Bond Strengths from Threshold Photoelectron Photoion Coincidence Spectroscopy. Organometallics, 2006, 25, 6061-6067.	2.3	16
36	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. Journal of Physical Chemistry A, 2006, 110, 8572-8579.	2.5	31

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37	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 . Journal of Physical Chemistry A, 2006, 110, 3036-3041.	2.5	27
38	On the dissociation of the 2-pentanone ion studied by threshold photoelectron photoion coincidence spectroscopy. International Journal of Mass Spectrometry, 2006, 249-250, 403-411.	1.5	5
39	Dissociation dynamics and thermochemistry of chloroform and tetrachloroethane molecules studied by threshold photoelectron photoion coincidence. International Journal of Mass Spectrometry, 2006, 252, 20-25.	1.5	17
40	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.	2.8	23
41	Aerosol mass spectrometry: An introductory review. International Journal of Mass Spectrometry, 2006, 258, 2-12.	1.5	136
42	Design of a timing circuit for random laser triggering on aerosol particles. Review of Scientific Instruments, 2006, 77, 013301.	1.3	7
43	Aerosol particle mass spectrometry with low photon energy laser ionization. International Journal of Mass Spectrometry, 2005, 241, 89-97.	1.5	30
44	Thermochemical study of the liquid phase equilibrium reaction of dihalomethanes by NMR spectroscopy. Chemical Physics Letters, 2005, 409, 230-234.	2.6	6
45	On the Parallel Mechanism of the Dissociation of Energy-Selected P(CH ₃) ₃ ⁺ Ions. Journal of Physical Chemistry B, 2005, 109, 8393-8399.	2.6	14
46	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.	2.5	24
47	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.	13.7	22
48	Dissociative Photoionization and Thermochemistry of Dihalomethane Compounds Studied by Threshold Photoelectron Photoion Coincidence Spectroscopy. Journal of Physical Chemistry A, 2005, 109, 1802-1809.	2.5	94
49	Synchrotron Radiation Based Aerosol Time-of-Flight Mass Spectrometry for Organic Constituents. Analytical Chemistry, 2005, 77, 5953-5960.	6.5	76
50	Threshold photoelectron photoion coincidence studies of parallel and sequential dissociation reactions. Physical Chemistry Chemical Physics, 2005, 7, 1507-1513.	2.8	90
51	Heats of Formation of the Acetyl Radical and Ion Obtained by Threshold Photoelectron Photoion Coincidence. Journal of Physical Chemistry A, 2004, 108, 5288-5294.	2.5	55
52	The Heats of Formation of tert-Butyl Isocyanide and Other Alkyl Isocyanides by Photoelectron Photoion Coincidence Spectroscopy. Journal of Physical Chemistry A, 2004, 108, 5956-5961.	2.5	11
53	The C ₃ H ₇ ⁺ Appearance Energy from 2-Iodopropane and 2-Chloropropane Studied by Threshold Photoelectron Photoion Coincidence. European Journal of Mass Spectrometry, 2004, 10, 819-827.	1.0	11
54	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.	2.5	22

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55	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.	2.5	17
56	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.	2.5	28
57	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.	2.5	59
58	Suppression of hot electrons in threshold photoelectron photoion coincidence spectroscopy using velocity focusing optics. <i>Review of Scientific Instruments</i> , 2003, 74, 3763-3768.	1.3	243
59	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.	2.5	6
60	Consecutive and Parallel Dissociation of Energy-Selected $\text{Co}(\text{CO})_3\text{NO}^+$ Ions. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8046-8053.	2.5	27
61	Dissociation Kinetics of Energy-Selected $(\text{C}_6\text{H}_6)_2\text{Cr}^+$ Ions: Benzene-Chromium Neutral and Ionic Bond Energies. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9820-9826.	2.5	42
62	Ethylene Glycol Ions Dissociate by Tunneling through an H-Atom Transfer Barrier: A DFT and TPEPICO Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8658-8666.	2.5	24
63	Reactive Uptake of Ozone by Oleic Acid Aerosol Particles: Application of Single-Particle Mass Spectrometry to Heterogeneous Reaction Kinetics. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8085-8095.	2.5	182
64	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.	1.5	12
65	Theoretical studies on the isomerization and dissociation of the acrolein ions. <i>International Journal of Mass Spectrometry</i> , 2002, 218, 19-35.	1.5	11
66	Threshold photoelectron spectroscopy with velocity focusing: an ideal match for coincidence studies. <i>International Journal of Mass Spectrometry</i> , 2002, 219, 381-389.	1.5	50
67	Quantitative Detection of Aromatic Compounds in Single Aerosol Particle Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 2317-2322.	6.5	79
68	The Dissociation Kinetics of Energy-Selected $\text{CpMn}(\text{CO})_3^+$ Ions Studied by Threshold Photoelectron-Photoion Coincidence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 9388-9396.	13.7	36
69	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.	2.5	20
70	Observation of Accurate Ion Dissociation Thresholds in Pulsed Field Ionization-Photoelectron Studies. <i>Physical Review Letters</i> , 2001, 86, 3526-3529.	7.8	38
71	Ion dissociation dynamics and thermochemistry by photoelectron photoion coincidence (PEPICO) spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2000, 200, 443-457.	1.5	45
72	Gas-phase measurement of \hat{H} between axial and equatorial conformations of 3-methylcyclopentanone. <i>Chemical Physics</i> , 2000, 256, 251-258.	1.9	24

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73	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.	2.5	30
74	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.	3.2	33
75	Dissociation Dynamics and Thermochemistry of Energy-Selected CpCo(CO) ₂ ⁺ Ions. <i>Journal of the American Chemical Society</i> , 2000, 122, 9219-9226.	13.7	33
76	A Photoelectron Photoion Coincidence Study of the ICH ₂ CN Ion Dissociation: Thermochemistry of ICH_2CN^+ , CH_2CN^+ , and ICH ₂ CN. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1450-1455.	2.5	21
77	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.	2.5	31
78	Conformational Study of 3-Methyltetrahydropyran by (2+1) Resonance-Enhanced Multiphoton Ionization Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 509-513.	2.5	6
79	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.	3.0	82
80	High-resolution pulsed field ionization photoelectron-photoion coincidence spectroscopy using synchrotron radiation. <i>Review of Scientific Instruments</i> , 1999, 70, 3892-3906.	1.3	77
81	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.	2.8	2
82	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.	2.5	8
83	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.	2.8	42
84	Mass Spectrometry of Liquid Aniline Aerosol Particles by IR/UV Laser Irradiation. <i>Analytical Chemistry</i> , 1999, 71, 1802-1808.	6.5	44
85	Thermochemistry of gaseous ethylsilanes and their radical cations. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 597-605.	2.8	6
86	Spectroscopic determination of $\hat{I}^{\circ}\text{H}^{\circ}$ 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.	3.0	13
87	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.	2.5	18
88	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.	2.5	19
89	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.	2.5	11
90	Isomerization and dissociation in competition: The two-component dissociation dynamics of energy-selected C ₃ H ₆ O ⁺ isomers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 478-483.	0.9	10

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91	Gas-Phase Ion Dynamics and Chemistry. The Journal of Physical Chemistry, 1996, 100, 12866-12877.	2.9	133
92	The heat of formation of CISO+. Chemical Physics Letters, 1996, 261, 155-159.	2.6	7
93	A photoionization study of vibrational cooling in molecular beams. International Journal of Mass Spectrometry and Ion Processes, 1996, 156, 133-139.	1.8	20
94	Spectroscopic gas phase determination of $\hat{1}^{\circ}\text{H}\hat{\text{A}}^{\circ}$ [axial/equatorial] for 3- ϵ -methyl cyclohexanone. Journal of Chemical Physics, 1996, 105, 7605-7612.	3.0	18
95	Unimolecular Reaction Dynamics. , 1996, , .		1,002
96	Isomerization and Dissociation in Competition. The Pentene Ion Story. The Journal of Physical Chemistry, 1995, 99, 17862-17871.	2.9	32
97	Observations of Ethyl-Substituted Cyclohexanone and Cyclopentanone Rotamers Using Resonance-Enhanced Multiphoton Ionization Spectroscopy. The Journal of Physical Chemistry, 1995, 99, 4458-4465.	2.9	20
98	The 3s Rydberg Spectra and Conformations of Methyl-Substituted Cyclopentanones. The Journal of Physical Chemistry, 1995, 99, 12090-12098.	2.9	20
99	Stereochemical Analysis of Methyl-Substituted Cyclohexanes Using 2 + 1 Resonance-Enhanced Multiphoton Ionization Spectroscopy. Analytical Chemistry, 1995, 67, 4322-4329.	6.5	8
100	The dissociative ionization of ethylene dimers, trimers, and tetramers studied by photoelectron photoion coincidence. Journal of Chemical Physics, 1994, 100, 4294-4299.	3.0	10
101	Infrared vibrational photodissociation spectra of Ar+2 ions. Journal of Chemical Physics, 1994, 101, 2793-2799.	3.0	7
102	Experimental and theoretical studies of isomeric CH3S2 and CH3S+2. Journal of Chemical Physics, 1994, 100, 4870-4875.	3.0	34
103	Transition state structures and angular momentum effects in the dissociation dynamics of energy-selected C4H+8 ions. Journal of Chemical Physics, 1993, 99, 4441-4454.	3.0	26
104	The photoionization and dissociation dynamics of energy-selected acetylene dimers, trimers, and tetramers. Journal of Chemical Physics, 1993, 98, 186-200.	3.0	50
105	On the determination of cluster properties by ionization techniques. Journal of Chemical Physics, 1992, 96, 5541-5543.	3.0	31
106	2-Methyl effects in the Rydberg spectra of methyl-substituted cyclohexanones. Analytical Chemistry, 1992, 64, 2604-2609.	6.5	11
107	Reactions of state selected ions studied with VUV radiation. AIP Conference Proceedings, 1992, , .	0.4	0
108	Photoelectron Photoion Coincidence Studies of Ion Dissociation Dynamics. , 1991, , 259-296.		42

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109	Dissociation dynamics of phenetole cations by photoelectron photoion coincidence. Journal of the American Society for Mass Spectrometry, 1991, 2, 464-469.	2.8	9
110	Sequential ortho effects: characterization of novel $[M - 35]^+$ fragment ions in the mass spectra of 2-alkyl-4, 6-dinitrophenols. Journal of the American Society for Mass Spectrometry, 1991, 2, 69-75.	2.8	8
111	The analysis of conformations and configurations of substituted cyclic ketones by multiphoton ionization. Journal of Molecular Structure, 1991, 249, 95-107.	3.6	18
112	Threshold photoelectron photoion coincidence study of the ethane loss from energy selected pentane ions cooled in a supersonic expansion. International Journal of Mass Spectrometry and Ion Processes, 1991, 107, 301-317.	1.8	18
113	The rates of HCl loss from energy-selected ethylchloride ions: A case of tunneling through an H atom transfer barrier. Journal of Chemical Physics, 1991, 94, 3649-3656.	3.0	42
114	Identification of conformational isomers of methyl-substituted cyclohexanone and tetrahydropyran frozen in a molecular beam. The Journal of Physical Chemistry, 1990, 94, 2852-2857.	2.9	36
115	The production and characterization by resonance enhanced multiphoton ionization of $H_2(v=10 \leftarrow 14)$ from photodissociation of H_2S . Journal of Chemical Physics, 1989, 91, 6113-6119.	3.0	30
116	Dissociation dynamics of halotoluene ions, production of tolyl, benzyl and tropylium ($[C_7H_7]^+$) ions. Organic Mass Spectrometry, 1989, 24, 1008-1016.	1.3	46
117	The dissociation energies and mechanism of energy-selected bromo- and iodo-butanones. International Journal of Mass Spectrometry and Ion Processes, 1988, 82, 299-318.	1.8	24
118	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. Journal of the American Chemical Society, 1988, 110, 6287-6291.	13.7	18
119	The production and spectroscopy of excited sulfur atoms from the two-photon dissociation of H_2S . Journal of Chemical Physics, 1988, 89, 5507-5513.	3.0	24
120	The 2 + 1 REMPI spectra of cyclic ketones in a cold molecular beam. 2. The $n \rightarrow \pi^*$ Rydberg transition of methyl-substituted cyclohexanones and cyclopentanones. Journal of the American Chemical Society, 1988, 110, 3099-3106.	13.7	23
121	The dissociation dynamics of energy selected ion-dipole complexes. I. The cyclopropane ion-water complex $[C_3H_6 \cdots OH_2]^+$. Journal of Chemical Physics, 1987, 87, 5242-5250.	3.0	47
122	2 + 1 REMPI spectra of cyclic ketones in a cold molecular beam. 1. Structural studies of the 3s Rydberg state in unsubstituted rings. Journal of the American Chemical Society, 1987, 109, 6915-6920.	13.7	29
123	Autoionization and isotope effect in the threshold photoelectron spectrum of $^{12}CO_2$ and $^{13}CO_2$. Journal of Chemical Physics, 1986, 85, 4765-4778.	3.0	68
124	Photodissociation of energy selected $C_4H_6^+$ ions: The isomerization barrier between butyne and 1,3-butadiene ion isomers. Journal of Chemical Physics, 1986, 85, 6361-6367.	3.0	23
125	Photodissociation of the energy selected nitrobenzene ion. Journal of Chemical Physics, 1986, 84, 1424-1431.	3.0	16
126	Design and operation of a 12.5 ns multichannel scaler. Review of Scientific Instruments, 1984, 55, 1849-1853.	1.3	5

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127	Kinetic energy release distribution in the fragmentation of energy-selected vinyl and ethyl bromide ions. <i>Chemical Physics</i> , 1984, 85, 39-45.	1.9	33
128	Symmetric electron transfer reactions of state-selected ions: $H_2^+ + H_2 \rightarrow H_2 + H_2^+(\frac{1}{2} = 0 \times 10)$. <i>Chemical Physics Letters</i> , 1984, 109, 285-290.	2.6	18
129	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.	13.7	40
130	Kinetic energy release distribution in the fragmentation of energy-selected vinyl and ethyl bromide ions. <i>Chemical Physics</i> , 1984, 85, 39-45.	1.9	8
131	A photo-ionization study of organosulfur ring compounds: Thiirane, thietane and tetrahydrothiophene. <i>Organic Mass Spectrometry</i> , 1983, 18, 248-253.	1.3	28
132	Interactions between neutral dissociation and ionization continua in N ₂ O. <i>Journal of Chemical Physics</i> , 1983, 78, 3665-3672.	3.0	102
133	Statistical energy partitioning in dissociation to several products. <i>Journal of Chemical Physics</i> , 1982, 76, 5917-5922.	3.0	37
134	Photoelectron spectrum of H ₂ S following multiphoton ionization. <i>Journal of Chemical Physics</i> , 1982, 76, 5648-5649.	3.0	23
135	Translational energies of fragment ions in the multiphoton ionization of benzene. <i>Journal of Chemical Physics</i> , 1982, 76, 5968-5973.	3.0	22
136	The dissociation dynamics of state selected metastable aniline ions by single and multiphoton ionization. <i>Journal of Chemical Physics</i> , 1982, 76, 1304-1308.	3.0	57
137	The mechanism for multiphoton ionization of H ₂ S. <i>Journal of Chemical Physics</i> , 1981, 75, 4422-4429.	3.0	21
138	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.	3.0	33
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