

# Fuminori Misaizu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photodissociation study on $Mg+(H_2O)_n$ , $n=1\text{--}5$ : Electronic structure and photoinduced intracluster reaction. <i>Journal of Chemical Physics</i> , 1994, 100, 1161-1170.	1.2	163
2	Near threshold photoionization of silicon clusters in the 248–146 nm region: Ionization potentials for $Si_n$ . <i>Journal of Chemical Physics</i> , 1993, 99, 7807-7812.	1.2	158
3	Reactions of Singly Charged Alkaline-Earth Metal Ions with Water Clusters: Characteristic Size Distribution of Product Ions. <i>Journal of the American Chemical Society</i> , 1995, 117, 747-754.	6.6	136
4	Molecular Orbital Studies of the Structures and Reactions of Singly Charged Magnesium Ion with Water Clusters, $Mg+(H_2O)_n$ . <i>Journal of the American Chemical Society</i> , 1995, 117, 755-763.	6.6	130
5	Photodissociation of size-selected aquamagnesium ( $Mg+(H_2O)_n$ ) ions for $n = 1$ and 2. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8259-8264.	2.9	126
6	Photoionization of clusters of Cs atoms solvated with $H_2O$ , $NH_3$ and $CH_3CN$ . <i>Chemical Physics Letters</i> , 1992, 188, 241-246.	1.2	120
7	Microscopic Solvation Process of Alkali Atoms in Finite Clusters: Photoelectron and Photoionization Studies of $M(NH_3)_n$ and $M(H_2O)_n$ ( $M = Li, Na$ ). <i>Journal of Physical Chemistry A</i> , 1997, 101, 3078-3087.	1.1	100
8	Photodissociation study on $Ca+(H_2O)_n$ , $n=1\text{--}6$ : Electron structure and photoinduced dehydrogenation reaction. <i>Journal of Chemical Physics</i> , 1996, 104, 9768-9778.	1.2	97
9	Photoionization of hypervalent molecular clusters: electronic structure and stability of $NH_4(NH_3)_n$ . <i>Chemical Physics Letters</i> , 1994, 229, 597-603.	1.2	74
10	Infrared Photodissociation Spectroscopy of $[Mg\hat{A}(H_2O)_{1-4}]^+$ and $[Mg\hat{A}(H_2O)_{1-4}\hat{A}Ar]^+$ . <i>Journal of Physical Chemistry A</i> , 2004, 108, 5034-5040.	1.1	59
11	Structures of $[Mg\hat{A}(H_2O)_{1,2}]^+$ and $[Al\hat{A}(H_2O)_{1,2}]^+$ ions studied by infrared photodissociation spectroscopy: evidence of $[HO\hat{A}Al\hat{A}H]^+$ ion core structure in $[Al\hat{A}(H_2O)_2]^+$ . <i>Chemical Physics Letters</i> , 2004, 390, 140-144.	1.2	53
12	Isomer Separation of Iron Oxide Cluster Cations by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3899-3905.	1.1	50
13	Formation of protonated ammonia cluster ions: Two-photon ionization study. <i>Journal of Chemical Physics</i> , 1993, 98, 336-341.	1.2	42
14	Structures of cobalt oxide cluster cations studied by ion mobility mass spectrometry. <i>Chemical Physics Letters</i> , 2013, 588, 63-67.	1.2	36
15	Electronic structure and reactivity of $Mg+(H_2O)_n$ cluster ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 26, 180-182.	1.0	34
16	Formation of negative ions of water clusters by electron transfer from high-Rydberg atoms. <i>Chemical Physics Letters</i> , 1991, 178, 369-373.	1.2	33
17	A highly sensitive electron spectrometer for crossed-beam collisional ionization: A retarding-type magnetic bottle analyzer and its application to collision-energy resolved Penning ionization electron spectroscopy. <i>Review of Scientific Instruments</i> , 2000, 71, 3042-3049.	0.6	31
18	Ion Chemistry of 1,2,3-Triazole. <i>Journal of Physical Chemistry B</i> , 2008, 112, 545-557.	1.2	30

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19	Dissociation dynamics and multiphoton ionization mechanism of ammonia clusters. The Journal of Physical Chemistry, 1989, 93, 7041-7044.	2.9	29
20	Picosecond measurements of the vibrationally resolved proton transfer rate of the jet-cooled 1,2,4,5-tetrazole dimer. Journal of Chemical Physics, 1991, 95, 4074-4080.	1.2	29
21	Isomer-resolved dissociation of small carbon cluster cations, C <sub>7</sub> <sup>+</sup> –C <sub>10</sub> <sup>+</sup> . Chemical Physics Letters, 2012, 523, 54-59.	1.2	28
22	Photoionization and density functional study of clusters of alkali metal atoms solvated with acetonitrile molecules, M(CH <sub>3</sub> CN) (M=Li and Na). Chemical Physics Letters, 1999, 301, 356-364.	1.2	26
23	Isomer-selected photoreactions of gas-phase cluster ions. European Physical Journal D, 2009, 52, 59-62.	0.6	26
24	Structures and CO-Adsorption Reactivities of Nickel Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2015, 119, 11014-11021.	1.5	26
25	Compositions and Structures of Vanadium Oxide Cluster Ions V <sub>m</sub> O <sub>n</sub> <sup>±</sup> (m = 2–20) Investigated by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2016, 120, 3788-3796.	1.1	26
26	Formation of negative cluster ions from (CO <sub>2</sub> ) <sub>m</sub> in collision with high-Rydberg atoms. Journal of Chemical Physics, 1991, 94, 243-249.	1.2	25
27	Photoelectron Spectroscopy of Mass-Selected Copper-Water Cluster Negative Ions. Laser Chemistry, 1995, 15, 195-207.	0.5	24
28	Structural transition of zinc oxide cluster cations: Smallest tube like structure at (ZnO) <sub>6</sub> <sup>+</sup> . Journal of Chemical Physics, 2013, 139, 164308.	1.2	23
29	Nascent internal state distributions of ZnH(X <sup>2</sup> Σ <sup>+</sup> ) produced in the reactions of Zn(4P <sub>1</sub> ) with some alkane hydrocarbons. Journal of Chemical Physics, 1994, 101, 4803-4808.	1.2	21
30	Intracluster multiple trimeric cyclization of acrylonitrile clusters initiated by electron transfer from a potassium atom: Size-dependent pathways in metastable dissociation of K+(CH <sub>2</sub> =CHCN) <sub>n</sub> photoions. Journal of Chemical Physics, 2002, 117, 5209-5220.	1.2	21
31	Compositions and structures of niobium oxide cluster ions, Nb <sub>m</sub> O <sub>n</sub> <sup>±</sup> , (m = 2–12), revealed by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2017, 19, 24903-24914.	1.3	21
32	Photoionization and photodissociation studies on aluminum-water clusters and their ions. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 177-179.	1.0	20
33	Geometrical Structures of Gas Phase Chromium Oxide Cluster Anions Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2017, 121, 5605-5613.	1.1	20
34	Conformation of K <sup>+</sup> (Crown Ether) Complexes Revealed by Ion Mobility Mass Spectrometry and Ultraviolet Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 9980-9990.	1.1	17
35	Formation of negative ions from pyridine clusters in collision with high-Rydberg rare-gas atoms and slow electrons. The Journal of Physical Chemistry, 1989, 93, 4263-4266.	2.9	16
36	PHOTOELECTRON SPECTROSCOPY OF MASS-SELECTED METAL-WATER CLUSTER NEGATIVE IONS: Cu <sup>+</sup> (H <sub>2</sub> O) <sub>n</sub> AND Na <sup>+</sup> (H <sub>2</sub> O) <sub>n</sub> . Surface Review and Letters, 1996, 03, 405-410.	0.5	16

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37	Stable compositions and geometrical structures of titanium oxide cluster cations and anions studied by ion mobility mass spectrometry. <i>Journal of Chemical Physics</i> , 2016, 144, 194305.	1.2	16
38	Long-distance proton transfer induced by a single ammonia molecule: ion mobility mass spectrometry of protonated benzocaine reacted with $\text{NH}_3$ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8164-8170.	1.3	16
39	Intersystem crossing and intramultiplet mixing of excited Zn atoms by Xe. <i>Journal of Chemical Physics</i> , 1992, 97, 3282-3288.	1.2	15
40	Photodissociation of $\text{Mg}^+\text{XCH}_3$ (X=F, Cl, Br, and I) complexes. I. Electronic spectra and dissociation pathways. <i>Journal of Chemical Physics</i> , 2006, 125, 094309.	1.2	15
41	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer I. Development of an apparatus and application to $\text{Mg}^+\text{Ar}$ complex. <i>Chemical Physics Letters</i> , 2015, 630, 111-115.	1.2	15
42	Temperature Dependence of Ion Mobility of Carbon Cluster Cations: Intermediate Region Connecting Low- and High-Field Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1342-1346.	2.0	14
43	Development of a linear-type double reflectron for focused imaging of photofragment ions from mass-selected complex ions. <i>Review of Scientific Instruments</i> , 2017, 88, 053105.	0.6	14
44	Photoionization of small silicon clusters: ionization potentials for $\text{Si}_2$ to $\text{Si}_{40}$ . <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 26, 204-206.	1.0	13
45	Mass spectrometric study of $\text{N}_2$ -adsorption on copper cluster cations formed by modulated pulsed power magnetron sputtering in aggregation cell. <i>Chemical Physics Letters</i> , 2017, 682, 60-63.	1.2	13
46	Development of an Analysis Toolkit, AnalysisFMO, to Visualize Interaction Energies Generated by Fragment Molecular Orbital Calculations. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 25-30.	2.5	13
47	ELECTRONIC STRUCTURE AND STABILITY OF $\text{NH}_4(\text{NH}_3)_n$ AND $\text{NH}_4(\text{NH}_3)_m(\text{H}_2\text{O})_n$ . <i>Surface Review and Letters</i> , 1996, 03, 353-357.	0.5	12
48	Photoionization and density functional theory study of clusters of acetone containing an alkali metal atom, $\text{M}((\text{CH}_3)_2\text{CO})_n$ (M=Li, Na): intracuster electron transfer from metal to acetone in 1:1 complexes. <i>Chemical Physics Letters</i> , 2000, 316, 442-448.	1.2	12
49	Intracuster Anionic Oligomerization of Acrylic Ester Molecules Initiated by Electron Transfer from an Alkali Metal Atom. <i>Journal of the American Chemical Society</i> , 2001, 123, 683-690.	6.6	12
50	Compact Non-Rock-Salt Structures in Sodium Fluoride Cluster Ions at Specific Sizes Revealed by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9970-9975.	1.1	12
51	Small Carbon Nano-Onions: An Ion Mobility Mass Spectrometric Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5195-5200.	1.5	12
52	Observation of collisional ionization electron spectra of van der Waals clusters with metastable $\text{He}^*(2^3S)$ atoms: An evidence for autoionization from superexcited Ar clusters. <i>Journal of Chemical Physics</i> , 2000, 112, 7062-7067.	1.2	11
53	Multiple Photofragmentation Pathways with Different Recoil Anisotropy from a Metal-Ion-Ligand Complex. <i>Physical Review Letters</i> , 2004, 93, 193401.	2.9	11
54	Anionic Oligomerization of Acrylonitrile Molecules Initiated by Intracuster Electron Transfer from Alkali Metal Atoms: Photoionization Mass Spectrometry of $\text{M}(\text{CH}_2\text{CHCN})_n$ (M = Li, Na, and K). <i>Journal of Physical Chemistry A</i> , 2000, 104, 765-770.	1.1	10

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55	Photodissociation of Mg+XCH <sub>3</sub> (X=F, Cl, Br, and I) complexes. II. Fragment angular and energy distributions. <i>Journal of Chemical Physics</i> , 2006, 125, 094310.	1.2	10
56	Intramolecular Dispersion Attraction in Tetraalkylammonium Cations Revealed by Cryogenic Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7999-8004.	1.1	10
57	Negative ion formation from nitrous oxide clusters by impact of highly excited Rydberg krypton atoms and electrons. <i>The Journal of Physical Chemistry</i> , 1990, 94, 8250-8254.	2.9	9
58	The intramultiplet mixing of Zn(43P <sub>1</sub> ) by collisions with 4He and 3He. <i>Journal of Chemical Physics</i> , 1990, 93, 4112-4116.	1.2	9
59	Negative-ion photoelectron spectroscopy of Cu clusters reacted with NO molecules. <i>European Physical Journal D</i> , 1999, 9, 297-301.	0.6	9
60	Photodissociation spectroscopy of MgCH <sub>3</sub> I <sup>+</sup> : dissociation processes via charge transfer and/or chemical bond rupture. <i>Chemical Physics Letters</i> , 2003, 382, 283-290.	1.2	9
61	Photofragment ion imaging from mass-selected Mg+BrCH <sub>3</sub> complex: Dissociation mechanism following photoinduced charge transfer. <i>Journal of Chemical Physics</i> , 2017, 146, 024301.	1.2	9
62	Stable Compositions and Structures of Copper Oxide Cluster Cations Cu <sub>n</sub> O <sub>m</sub> <sup>+</sup> (n = 2-8) Studied by Ion Mobility Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 18705-18713.	1.6	9
63	Compositions and Isomer Separation of Palladium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17580-17587.	1.5	9
64	Nascent rotational state distributions of ZnH (X 2 <sup>1</sup> Σ <sup>+</sup> ) produced in the reactions of Zn (4 1P <sub>1</sub> ) with simple alkane hydrocarbons. <i>Chemical Physics Letters</i> , 1993, 214, 271-275.	1.2	8
65	Penning ionization electron spectroscopy of van der Waals clusters. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 112, 115-128.	0.8	8
66	Photodissociation of Mg(CH <sub>2</sub> =CHCN) <sub>n</sub> <sup>+</sup> : Excited electronic states of n=1 and 2 and intracluster electron transfer for n=3 and 4. <i>Journal of Chemical Physics</i> , 2003, 118, 5456-5464.	1.2	8
67	Isomer-separated photodissociation of large sized silicon and carbon cluster ions: Drift tube experiment combined with a tandem reflectron mass spectrometer for Si <sub>24</sub> <sup>+</sup> → Si <sub>27</sub> <sup>+</sup> and C <sub>32</sub> <sup>+</sup> → C <sub>38</sub> <sup>+</sup> . <i>European Physical Journal D</i> , 2013, 67, 1.	0.6	8
68	Structural Evolution of Iridium Oxide Cluster Anions Ir <sub>n</sub> O <sub>m</sub> <sup>-</sup> (n = 5-8) with Sequential Oxidation: Binding Mode of O Atoms and Ir Framework. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15301-15306.	1.5	8
69	Time-of-flight mass spectrometric diagnostics for ionized and neutral species in high-power pulsed magnetron sputtering of titanium. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SHHB05.	0.8	8
70	The intramultiplet mixing of Zn (43P <sub>1</sub> ) by collisions with Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991, 24, 1639-1644.	0.6	7
71	Nascent rotational and vibrational distributions in both products of the reaction Zn(4 <sup>1</sup> P <sub>1</sub> ) + H <sub>2</sub> O → ZnH(X 2 <sup>1</sup> Σ <sup>+</sup> ) + OH(X 2 <sup>1</sup> Π). <i>Journal of Chemical Physics</i> , 1993, 99, 2715-2722.	1.2	7
72	Infrared Photodissociation Spectroscopy of Al+(CH <sub>3</sub> OH) <sub>n</sub> (n = 1-4). <i>Journal of Physical Chemistry A</i> , 2007, 111, 5995-6002.	1.1	7

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73	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer. II: Formation mechanism of MgF <sup>+</sup> in the photodissociation of Mg+FCH <sub>3</sub> complex. <i>Chemical Physics Letters</i> , 2015, 630, 57-61.	1.2	7
74	Visible photodissociation of the CO <sub>2</sub> dimer cation: fast and slow dissociation dynamics in the excited state. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3083-3091.	1.3	7
75	Geometrical Structures of Gas-Phase Cerium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16641-16650.	1.5	7
76	Conformer Separation of Dibenzo-Crown-Ether Complexes with Na <sup>+</sup> and K <sup>+</sup> Ions Studied by Cryogenic Ion Mobility-Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3718-3725.	1.1	7
77	Penning ionization electron spectroscopy of CO <sub>2</sub> clusters in collision with metastable rare gas atoms. <i>Chemical Physics Letters</i> , 2000, 327, 104-110.	1.2	6
78	Photoionization mass spectroscopy of clusters of alkali metal atoms with methyl vinyl ketone and acrolein: intracuster oligomerization initiated by electron transfer from a metal atom. <i>International Journal of Mass Spectrometry</i> , 2002, 216, 29-40.	0.7	6
79	Adsorption of Small Molecules with the Hydroxyl Group on Sodium Halide Cluster Ions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1432-1436.	1.1	6
80	Ion Imaging of MgI <sup>+</sup> Photofragment in Ultraviolet Photodissociation of Mass-Selected Mg <sup>+</sup> ICH <sub>3</sub> Complex. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4948-4953.	1.1	6
81	The intramultiplet relaxation of Cd(5s <sup>2</sup> 3P <sub>2</sub> ) by H <sub>2</sub> and D <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1991, 94, 7951-7957.	1.2	5
82	Intracuster Electron Transfer and Reactions in Alkali Metal <sup>+</sup> Methacrylate Clusters. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9649-9658.	1.1	5
83	Intracuster electron transfer from a metal atom/cluster followed by anionic oligomerization of vinyl molecules. <i>European Physical Journal D</i> , 2001, 16, 107-110.	0.6	5
84	Structures of Vanadium Oxide Cluster Ions up to Nanometer Diameter Investigated by Ion Mobility Mass Spectrometry. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1225-1229.	2.0	5
85	Negative-ion formation from CCl <sub>4</sub> clusters in collision with highly excited Rydberg atoms and slow electrons. <i>Chemical Physics Letters</i> , 1988, 143, 6-12.	1.2	4
86	Metastable dissociation dynamics of molecular cluster ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991, 20, 197-200.	1.0	4
87	Negative-ion photoelectron spectroscopy of acrylonitrile clusters containing a sodium atom. <i>European Physical Journal D</i> , 2003, 24, 339-342.	0.6	4
88	Size-dependent structures of NanIn <sup>+</sup> cluster ions with a methanol adsorbate: A combined study by photodissociation spectroscopy and density-functional theory calculation. <i>Journal of Chemical Physics</i> , 2005, 123, 161101.	1.2	4
89	Correlation between Electronic Shell Structure and Inertness of Cu <sup>n+</sup> toward O <sub>2</sub> Adsorption at n = 15, 21, 41, and 49. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2927-2932.	1.1	4
90	Delayed Discharge Bridging Two Sputtering Modes from Modulated Pulsed Power Magnetron Sputtering (MPPMS) to Deep Oscillation Magnetron Sputtering (DOMS). <i>Plasma</i> , 2021, 4, 239-251.	0.7	4

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91	Time-of-flight mass spectrometry diagnostics in deep oscillation magnetron sputtering (DOMS) of titanium. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	4
92	Application of Ion Mobility-Mass Spectrometry to the Study of Ionic Clusters. <i>Mass Spectrometry</i> , 2014, 3, S0043-S0043.	0.2	3
93	Even-odd product variation of the $C_n^+ + D_2$ ( $n = 4-9$ ) reaction: complexity of the linear carbon cation electronic states. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24810-24819.	1.3	3
94	Extensive first-principles molecular dynamics study on Li encapsulation into $C_{60}$ and its experimental confirmation. <i>Nanoscale</i> , 2018, 10, 1825-1836.	2.8	3
95	Structural Changes of the Trinuclear Copper Center in Bilirubin Oxidase upon Reduction. <i>Molecules</i> , 2019, 24, 76.	1.7	3
96	Sequential growth of iridium cluster anions based on simple cubic packing. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17842-17846.	1.3	3
97	Photodissociation processes of a water-oxygen complex cation studied by an ion imaging technique. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16926-16933.	1.3	3
98	Dependence of Optical Emission Spectra on Argon Gas Pressure during Modulated Pulsed Power Magnetron Sputtering (MPPMS). <i>Plasma</i> , 2021, 4, 269-280.	0.7	3
99	Development of a Plasma Diagnostic Method for High Power Pulsed Magnetron Sputtering Using a Reflectron-Type Time-of-Flight Mass Spectrometer. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2022, 70, 30-35.	0.0	3
100	Structures of dibenzo-24-crown-8 complex with an $NH_4^+$ ion studied by cryogenic ion mobility-mass spectrometry. <i>Chemical Physics Letters</i> , 2022, 794, 139510.	1.2	3
101	Large Conformational Change in the Isomerization of Flexible Crown Ether Observed at Low Temperature. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4359-4366.	1.1	3
102	Two-color 2 + 2 photon resonance-enhanced ionization of benzene-carbon tetrachloride binary clusters. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 102, 99-113.	1.9	2
103	Intracluster cyclization reaction producing a benzene derivative: photoionization mass spectrometric study of alkali metal-methyl propiolate clusters. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 41-50.	0.7	2
104	Photoelectron spectroscopy and density functional theory calculation of $N_n(CS_2)^+$ cluster negative ions for $n=1$ and 2. <i>Chemical Physics Letters</i> , 2004, 389, 241-246.	1.2	2
105	Photoionization Efficiency Curve Measurements of Alkali Metal Atom-Methyl Propiolate Clusters: Observation of Intracluster Cyclotrimerization Products. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5944-5949.	1.1	2
106	Visible photodissociation study of NO dimer cation using ion imaging technique combined with theoretical calculations. <i>Chemical Physics Letters</i> , 2020, 739, 137022.	1.2	2
107	A fast and robust trajectory surface hopping method: Application to the intermolecular photodissociation of a carbon dioxide dimer cation $(CO_2)_2^+$ . <i>Journal of Chemical Physics</i> , 2021, 154, 164108.	1.2	2
108	Photofragment ion imaging in vibrational predissociation of the $H_2O+Ar$ complex ion. <i>Journal of Chemical Physics</i> , 2021, 154, 174301.	1.2	2

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109	Structures of stoichiometric sodium oxide cluster cations studied by ion mobility mass spectrometry. Chinese Journal of Chemical Physics, 2019, 32, 193-199.	0.6	1
110	Structures of stable oxide cluster ions of first-row late transition metals: An ion mobility-mass spectrometric study. AIP Conference Proceedings, 2019, , .	0.3	1
111	Structures of Magnesium Oxide Cluster Cations Studied Using Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2020, 124, 101-107.	1.1	1
112	Photodissociation processes of $O_2^+ (H_2O)$ studied by ion imaging experiments. Journal of Physics: Conference Series, 2020, 1412, 132039.	0.3	1
113	Structure Assignment and Separation of Isomers of Palladium Oxide Cluster Anions Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2020, 124, 9604-9610.	1.5	1
114	Geometrical Structures of Gas-Phase Cerium Oxide Cluster Cations after Reaction with Nitric Oxide Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2022, 126, 1204-1210.	1.1	1
115	Intramultiplet relaxation of $Cd(53P_2)$ induced by collisions with $N_2$ and $CO$ . Chemical Physics, 1991, 158, 155-160.	0.9	0
116	Electron distribution and intracuster reaction in $[Na(CS_2)_2]^-$ negative ion clusters. European Physical Journal D, 2005, 34, 89-92.	0.6	0
117	ADSORPTION REACTION OF POLAR ORGANIC MOLECULES ON $\{m Si\}_n^+$ CLUSTER IONS. International Journal of Modern Physics B, 2005, 19, 2502-2507.	1.0	0
118	Photoinduced dissociation reactions of silver fluoride cluster ions. European Physical Journal D, 2007, 43, 41-44.	0.6	0
119	EXCITED STATE CHARGE TRANSFER AND DISSOCIATION OF $Mg^+CH_3$ COMPLEX. , 2005, , .		0
120	INTRACLUSTER ANIONIC POLYMERIZATION INDUCED BY ELECTRON TRANSFER FROM ALKALI METAL ATOM TO UNSATURATED HYDROCARBON MOLECULES. , 2005, , .		0
121	Photoionization of Solvated Cs Atoms. , 1992, , 925-930.		0
122	Ion Mobility-Mass Spectrometry of Protonated Moleculesâ€•Intramolecular Proton Transfer by Bimolecular Reactionâ€•. Journal of the Mass Spectrometry Society of Japan, 2022, 70, 36-42.	0.0	0
123	Structural assignments of yttrium oxide cluster cations studied by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2022, , .	1.3	0