Keijiro Ohshimo

List of Publications by Year
in descending order

60	665	567281 15	677142 22
papers	citations	h-index	g-index

60	60	60	461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isomer Separation of Iron Oxide Cluster Cations by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2014, 118, 3899-3905.	2.5	50
2	3s Rydberg and Cationic States of Pyrazine Studied by Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 2293-2310.	2.5	37
3	Structures of cobalt oxide cluster cations studied by ion mobility mass spectrometry. Chemical Physics Letters, 2013, 588, 63-67.	2.6	36
4	Anion photoelectron spectroscopy of free [Au₂₅(SC₁₂H₂₅)₁₈]^{â^'}. Nanoscale, 2017, 9, 13409-13412.	5.6	35
5	Photoionization and density functional study of clusters of alkali metal atoms solvated with acetonitrile molecules, M(CH3CN) (M=Li and Na). Chemical Physics Letters, 1999, 301, 356-364.	2.6	26
6	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.	3.1	26
7	Compositions and Structures of Vanadium Oxide Cluster Ions V_mO_n^{Â±} (m = 2â€“20) Investigated by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2016, 120, 3788-3796.	2.5	26
8	Orientation of nitrous oxide on palladium(110) by STM. Chemical Physics Letters, 2005, 406, 474-478.	2.6	25
9	Intracluster multiple trimeric cyclization of acrylonitrile clusters initiated by electron transfer from a potassium atom: Size-dependent pathways in metastable dissociation of K+(CH2=CHCN)n photoions. Journal of Chemical Physics, 2002, 117, 5209-5220.	3.0	21
10	Compositions and structures of niobium oxide cluster ions, Nb_mO_n^{Â±}, (m = 2â€“12), revealed by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2017, 19, 24903-24914.	2.8	21
11	Geometrical Structures of Gas Phase Chromium Oxide Cluster Anions Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2017, 121, 5605-5613.	2.5	20
12	Conformation of K⁺(Crown Ether) Complexes Revealed by Ion Mobilityâ€“Mass Spectrometry and Ultraviolet Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 9980-9990.	2.5	17
13	Penning ionization of vinyl chloride and vinyl iodide by collision with He*(23S) metastable atoms. Journal of Electron Spectroscopy and Related Phenomena, 1999, 104, 145-154.	1.7	16
14	Stable compositions and geometrical structures of titanium oxide cluster cations and anions studied by ion mobility mass spectrometry. Journal of Chemical Physics, 2016, 144, 194305.	3.0	16
15	Long-distance proton transfer induced by a single ammonia molecule: ion mobility mass spectrometry of protonated benzocaine reacted with NH₃. Physical Chemistry Chemical Physics, 2020, 22, 8164-8170.	2.8	16
16	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer I. Development of an apparatus and application to Mg+â€“Ar complex. Chemical Physics Letters, 2015, 630, 111-115.	2.6	15
17	Development of a linear-type double reflectron for focused imaging of photofragment ions from mass-selected complex ions. Review of Scientific Instruments, 2017, 88, 053105.	1.3	14
18	Mass spectrometric study of N2-adsorption on copper cluster cations formed by modulated pulsed power magnetron sputtering in aggregation cell. Chemical Physics Letters, 2017, 682, 60-63.	2.6	13

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19	Effect of HOMO Levels on Chemiionization of Substituted Ethylenes by Metastable Helium Atoms. Chemistry Letters, 1997, 26, 269-270.	1.3	12
20	Photoionization and density functional theory study of clusters of acetone containing an alkali metal atom, M((CH3)2CO)n (M=Li, Na): intracluster electron transfer from metal to acetone in 1:1 complexes. Chemical Physics Letters, 2000, 316, 442-448.	2.6	12
21	Intracluster Anionic Oligomerization of Acrylic Ester Molecules Initiated by Electron Transfer from an Alkali Metal Atom. Journal of the American Chemical Society, 2001, 123, 683-690.	13.7	12
22	Compact Non-Rock-Salt Structures in Sodium Fluoride Cluster Ions at Specific Sizes Revealed by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2014, 118, 9970-9975.	2.5	12
23	Small Carbon Nano-Onions: An Ion Mobility Mass Spectrometric Study. Journal of Physical Chemistry C, 2018, 122, 5195-5200.	3.1	12
24	Anionic Oligomerization of Acrylonitrile Molecules Initiated by Intracluster Electron Transfer from Alkali Metal Atoms:â€‰ Photoionization Mass Spectrometry of M(CH2CHCN)n (M = Li, Na, and K). Journal of Physical Chemistry A, 2000, 104, 765-770.	2.5	10
25	Intramolecular Dispersion Attraction in Tetraalkylammonium Cations Revealed by Cryogenic Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2020, 124, 7999-8004.	2.5	10
26	Photofragment ion imaging from mass-selected Mg+BrCH3 complex: Dissociation mechanism following photoinduced charge transfer. Journal of Chemical Physics, 2017, 146, 024301.	3.0	9
27	Stable Compositions and Structures of Copper Oxide Cluster Cations Cu_nO_m⁺ (n = 2â€“8) Studied by Ion Mobility Mass Spectrometry. ACS Omega, 2018, 3, 18705-18713.	3.5	9
28	Compositions and Isomer Separation of Palladium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2019, 123, 17580-17587.	3.1	9
29	Photodissociation of Mg(CH2=CHCN)n+: Excited electronic states of n=1 and 2 and intracluster electron transfer for n=3 and 4. Journal of Chemical Physics, 2003, 118, 5456-5464.	3.0	8
30	Vacuum Ultraviolet and Soft Xâ€ray Photoelectron Spectroscopy of Liquid Beams Using a Hemispherical Photoelectron Spectrometer with a Multistage Differential Pumping System. Journal of the Chinese Chemical Society, 2013, 60, 1403-1410.	1.4	8
31	Structural Evolution of Iridium Oxide Cluster Anions Ir_nO_m^{â€“} (n = 5â€“8) with Sequential Oxidation: Binding Mode of O Atoms and Ir Framework. Journal of Physical Chemistry C, 2019, 123, 15301-15306.	3.1	8
32	Time-of-flight mass spectrometric diagnostics for ionized and neutral species in high-power pulsed magnetron sputtering of titanium. Japanese Journal of Applied Physics, 2020, 59, SHHB05.	1.5	8
33	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer. II: Formation mechanism of MgF+ in the photodissociation of Mg+FCH3 complex. Chemical Physics Letters, 2015, 630, 57-61.	2.6	7
34	Visible photodissociation of the CO₂ dimer cation: fast and slow dissociation dynamics in the excited state. Physical Chemistry Chemical Physics, 2019, 21, 3083-3091.	2.8	7
35	Geometrical Structures of Gas-Phase Cerium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2019, 123, 16641-16650.	3.1	7
36	Conformer Separation of Dibenzo-Crown-Ether Complexes with Na⁺ and K⁺ Ions Studied by Cryogenic Ion Mobility-Mass Spectrometry. Journal of Physical Chemistry A, 2021, 125, 3718-3725.	2.5	7

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37	Photoionization mass spectroscopy of clusters of alkali metal atoms with methyl vinyl ketone and acrolein: intracluster oligomerization initiated by electron transfer from a metal atom. International Journal of Mass Spectrometry, 2002, 216, 29-40.	1.5	6
38	Ion Imaging of MgI⁺ Photofragment in Ultraviolet Photodissociation of Mass-Selected Mg⁺ICH₃ Complex. Journal of Physical Chemistry A, 2018, 122, 4948-4953.	2.5	6
39	Intracluster Electron Transfer and Reactions in Alkali Metalâ^'Methacrylate Clusters. Journal of Physical Chemistry A, 2001, 105, 9649-9658.	2.5	5
40	Anionic Polymerization Mechanism of Acrylonitrile Trimer Anions: Key Branching Point between Cyclization and Chain Propagation. Journal of Physical Chemistry A, 2012, 116, 7937-7942.	2.5	5
41	Structures of Vanadium Oxide Cluster Ions up to Nanometer Diameter Investigated by Ion Mobility Mass Spectrometry. Bulletin of the Chemical Society of Japan, 2016, 89, 1225-1229.	3.2	5
42	Fermi resonance interaction in hetero-dimer and trimer ions containing aniline+. Chemical Physics Letters, 2003, 373, 568-574.	2.6	4
43	Correlation between Electronic Shell Structure and Inertness of Cun+ toward O2 Adsorption at n = 15, 21, 41, and 49. Journal of Physical Chemistry A, 2018, 122, 2927-2932.	2.5	4
44	Delayed Discharge Bridging Two Sputtering Modes from Modulated Pulsed Power Magnetron Sputtering (MPPMS) to Deep Oscillation Magnetron Sputtering (DOMS). Plasma, 2021, 4, 239-251.	1.8	4
45	Time-of-flight mass spectrometry diagnostics in deep oscillation magnetron sputtering (DOMS) of titanium. Journal of Applied Physics, 2022, 131, .	2.5	4
46	Application of Ion Mobility-Mass Spectrometry to the Study of Ionic Clusters. Mass Spectrometry, 2014, 3, S0043-S0043.	0.6	3
47	Sequential growth of iridium cluster anions based on simple cubic packing. Physical Chemistry Chemical Physics, 2020, 22, 17842-17846.	2.8	3
48	Dependence of Optical Emission Spectra on Argon Gas Pressure during Modulated Pulsed Power Magnetron Sputtering (MPPMS). Plasma, 2021, 4, 269-280.	1.8	3
49	Structures of dibenzo-24-crown-8 complex with an NH4+ ion studied by cryogenic ion mobility-mass spectrometry. Chemical Physics Letters, 2022, 794, 139510.	2.6	3
50	Large Conformational Change in the Isomerization of Flexible Crown Ether Observed at Low Temperature. Journal of Physical Chemistry A, 2022, 126, 4359-4366.	2.5	3
51	Intracluster cyclization reaction producing a benzene derivative: photoionization mass spectrometric study of alkali metalâ€“methyl propiolate clusters. International Journal of Mass Spectrometry, 2004, 232, 41-50.	1.5	2
52	Visible photodissociation study of NO dimer cation using ion imaging technique combined with theoretical calculations. Chemical Physics Letters, 2020, 739, 137022.	2.6	2
53	Photofragment ion imaging in vibrational predissociation of the H2O+Ar complex ion. Journal of Chemical Physics, 2021, 154, 174301.	3.0	2
54	Structures of stable oxide cluster ions of first-row late transition metals: An ion mobility-mass spectrometric study. AIP Conference Proceedings, 2019, , .	0.4	1

#	Article	IF	Citations
55	Structures of Magnesium Oxide Cluster Cations Studied Using Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2020, 124, 101-107.	2.5	1
56	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.	3.1	1
57	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.	2.5	1
58	INTRACLUSTER ANIONIC POLYMERIZATION INDUCED BY ELECTRON TRANSFER FROM ALKALI METAL ATOM TO UNSATURATED HYDROCARBON MOLECULES. , 2005, , .		0
59	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.	0.1	0
60	Structural assignments of yttrium oxide cluster cations studied by ion mobility mass spectrometry. Physical Chemistry Chemical Physics, 2022, , .	2.8	0