

Akira Terasaki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mn ₁₂ Acetate Complexes Studied as Single Molecules. Chemistry - A European Journal, 2022, 28, .	3.3	3
2	Electron counting in cationic and anionic silver clusters doped with a 3d transition-metal atom: endo- vs. exohedral geometry. Physical Chemistry Chemical Physics, 2022, 24, 1447-1455.	2.8	10
3	Reaction of nitric oxide molecules on transition-metal-doped silver cluster cations: size- and dopant-dependent reaction pathways. Physical Chemistry Chemical Physics, 2021, 23, 22947-22956.	2.8	3
4	X-ray absorption spectroscopy of small copper-oxide cluster ions for analyses of Cu oxidation state and Ar complexation: CuOAr ⁺ and Cu ₂ O ₂ ⁺ . Zeitschrift Fur Physikalische Chemie, 2021, 235, 213-224.	2.8	1
5	Reaction Kinetics of Nitric Oxide on Size-Selected Silver Cluster Cations. Journal of Physical Chemistry C, 2020, 124, 26881-26888.	3.1	9
6	A revisit to electronic structures of cobalt-doped silver cluster anions by size-dependent reactivity measurement. Chemical Physics Letters, 2020, 753, 137613.	2.6	5
7	Improvement of reflectron time-of-flight mass spectrometer for better convergence of ion beam. International Journal of Mass Spectrometry, 2020, 451, 116311.	1.5	10
8	Preadsorption Effect of Carbon Monoxide on Reactivity of Cobalt Cluster Cations toward Hydrogen. Journal of Physical Chemistry A, 2020, 124, 9751-9756.	2.5	2
9	Electronic and Geometric Effects on Chemical Reactivity of 3d-Transition-Metal-Doped Silver Cluster Cations toward Oxygen Molecules. Journal of Physical Chemistry C, 2019, 123, 25890-25897.	3.1	12
10	Adsorption Kinetics of Nitrogen Molecules on Size-Selected Silver Cluster Cations. Zeitschrift Fur Physikalische Chemie, 2019, 233, 759-770.	2.8	4
11	Charge-state analysis of small barium-oxide clusters by x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2019, 31, 134003.	1.8	2
12	Characterization of Cerium and Oxygen Atoms in Free Clusters of Cerium Oxide by X-ray Absorption Spectroscopy. Topics in Catalysis, 2018, 61, 119-125.	2.8	10
13	Freezing of micrometer-sized liquid droplets of pure water evaporatively cooled in a vacuum. Physical Chemistry Chemical Physics, 2018, 20, 28435-28444.	2.8	10
14	The role of electronegativity on the extent of nitridation of group 5 metals as revealed by reactions of tantalum cluster cations with ammonia molecules. Physical Chemistry Chemical Physics, 2018, 20, 13974-13982.	2.8	15
15	Space focusing extensively spread ions in time-of-flight mass spectrometry by nonlinear ion acceleration. International Journal of Mass Spectrometry, 2017, 414, 65-69.	1.5	3
16	Adsorption and Subsequent Reaction of a Water Molecule on Silicate and Silica Cluster Anions. Journal of Physical Chemistry C, 2017, 121, 10790-10795.	3.1	8
17	Size-dependent Reactivity of Nickel-doped Silver Cluster Cations toward Oxygen: Electronic and Geometric Effects. Chemistry Letters, 2017, 46, 385-388.	1.3	7
18	X-ray absorption spectroscopy of Ce ₂ O ₃ ⁺ and Ce ₂ O ₅ ⁺ near Ce M-edge. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 075101.	1.5	12

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19	Evaporation Processes of a Liquid Droplet of Ethylene Glycol in a Vacuum. <i>Chemistry Letters</i> , 2016, 45, 961-963.	1.3	5
20	Reaction Sites of CO on Size-Selected Silicon Oxide Cluster Anions: A Model Study of Chemistry in the Interstellar Environment. <i>Journal of Physical Chemistry A</i> , 2016, 120, 139-144.	2.5	6
21	Preface to Special Issue on Current Trends in Clusters and Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10795-10796.	3.1	1
22	Reaction of Aluminum Cluster Cations with a Mixture of O ₂ and H ₂ O Gases: Formation of Hydrated-Alumina Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10981-10986.	3.1	9
23	Optical absorption spectrum of the chromium dimer cation: Measurements by photon-trap and photodissociation spectroscopy. <i>Chemical Physics Letters</i> , 2015, 635, 13-15.	2.6	3
24	Water-Induced Adsorption of Carbon Monoxide and Oxygen on the Gold Dimer Cation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8293-8297.	2.5	9
25	Size-dependent reactivity of aluminum cluster cations toward water molecules. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	21
26	Spatial distribution of ions in a linear octopole radio-frequency ion trap in the space-charge limit. <i>Physical Review A</i> , 2012, 85, .	2.5	15
27	Oxidation processes of chromium dimer and trimer cations in an ion trap. <i>Chemical Physics Letters</i> , 2012, 538, 19-23.	2.6	14
28	Probing Structures of Small Gold Cluster Cations with Dinitrogen. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1834-1838.	3.3	6
29	Photon-trap spectroscopy of mass-selected ions in an ion trap: Optical absorption and magneto-optical effects. <i>Journal of Chemical Physics</i> , 2007, 127, 231101.	3.0	39
30	Photoelectron spectroscopy and density-functional calculations of silver cluster anions doped with a cobalt atom: Size dependent sp ^d interaction. <i>Chemical Physics Letters</i> , 2007, 449, 276-281.	2.6	20
31	Chemical Control of Magnetism: Oxidation-Induced Ferromagnetic Spin Coupling in the Chromium Dimer Evidenced by Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2003, 90, 133402.	7.8	52
32	Chemically induced ferromagnetic spin coupling: Electronic and geometric structures of chromium-oxide cluster anions, Cr ₂ O _n ⁻ (n=1-3), studied by photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 11221-11227.	3.0	28