

Ryuzo Nakanishi

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Anion photoelectron spectroscopy of free [Au ₂₅ (SC ₁₂ H ₂₅) ₁₈] ⁺ . <i>Nanoscale</i> , 2017, 9, 13409-13412.	2.8	35
2	Microhydration Effects on the Intermediates of the S _N ² Reaction of Iodide Anion with Methyl Iodide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4380-4383.	7.2	32
3	Detection of Gadolinium in Surrogate Nuclear Fuel Debris Using Fiber-Optic Laser-Induced Breakdown Spectroscopy under Gamma Irradiation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8985.	1.3	25
4	Photodissociation of gas-phase I ₃ ⁺ : Comprehensive understanding of nonadiabatic dissociation dynamics. <i>Journal of Chemical Physics</i> , 2007, 126, 204311.	1.2	16
5	Highly sensitive detection of sodium in aqueous solutions using laser-induced breakdown spectroscopy with liquid sheet-jets. <i>Optics Express</i> , 2021, 29, 5205.	1.7	14
6	Photoelectron spectroscopy of acetone cluster anions, $\langle \text{mml:math altimg="si9.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:cb="http://www.elsevier.com/xml/common" \rangle$	1.2	13
7	Formation and photodestruction of dual dipole-bound anion (H ₂ O) ₆ {e ⁻ }CH ₃ NO ₂ . <i>Journal of Chemical Physics</i> , 2009, 130, 224309.	1.2	12
8	Theoretical Study on the Excess Electron Binding Mechanism in the [CH ₃ NO ₂ ·(H ₂ O) _n] ⁺ (<i>i</i> = 1-6) Anion Clusters. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8939-8947.	1.1	12
9	Formation of O ₂ CNO ⁺ in the reaction of (CO ₂) _n - with NO. <i>Chemical Physics Letters</i> , 2006, 433, 10-14.	1.2	10
10	Ab initio MRCI study on potential energy curves for a single Cl loss from the palladium tetrachloride anion PdCl ₄ ²⁻ . <i>Chemical Physics Letters</i> , 2020, 746, 137288.	1.2	6
11	Ab initio MRCI study on potential energy surfaces for double Cl loss from the palladium tetrachloride anion PdCl ₄ ²⁻ . <i>Chemical Physics Letters</i> , 2021, 764, 138247.	1.2	5
12	Recovery of the laser-induced breakdown spectroscopy system using a ceramic microchip deteriorated by radiation for the remote elemental analysis. <i>Journal of Nuclear Science and Technology</i> , 2023, 60, 175-184.	0.7	5
13	Application of an Augmentation Method to MCR-ALS Analysis for XAFS and Raman Data Matrices in the Structural Change of Isopolymolybdates. <i>Analytical Sciences</i> , 2020, 36, 1371-1375.	0.8	4
14	Photoinduced gold recovery mediated by isopolymolybdate in strongly acidic HCl/NaCl solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 383, 111994.	2.0	3
15	Photoelectron Spectroscopy and Ab initio Calculations of Peroxy Form of SO ₄ ⁺ Anion. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5640-5647.	1.1	2
16	Hydrogen-Bond Network Transformation in Water-Cluster Anions Induced by the Complex Formation with Benzene. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3571-3575.	2.1	2
17	Photoelectron Spectroscopy of Molecular Anion of Alq ₃ : An Estimation of Reorganization Energy for Electron Transport in the Bulk. <i>ACS Omega</i> , 2018, 3, 15200-15204.	1.6	2
18	Ab initio study of palladium dichloride PdCl ₂ and its anion PdCl ₂ ⁻ . <i>Chemical Physics</i> , 2021, 551, 111349.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Radiation robustness of laser ceramics and single crystal for microchip laser remote analysis. Japanese Journal of Applied Physics, 2022, 61, 032003.	0.8	1
20	Dispersive XAFS Study on the Laser-Induced Reduction of a Rh ³⁺ Ion Complex: Presence of a Rh ⁺ Intermediate in Direct Photoreduction. Journal of Physical Chemistry C, 2022, 126, 5607-5616.	1.5	1
21	Incorporation of ROH (R = CH ₃ , C ₂ H ₅ ,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 672 Td on the Growth Process of the Hydrogen-Bond Network. Journal of Physical Chemistry A, 2014, 118, 7360-7366.	1.1	0
22	Photoelectron Spectroscopy and Ab Initio Calculations of CS ₃ Isomers: Carbon Trisulfide and Carbon Disulfide S-Sulfide Anions. Journal of Physical Chemistry A, 2016, 120, 6956-6962.	1.1	0