

# Atsushi Nakajima

## List of Publications by Year in descending order

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45  
papers

711  
citations

567281

15  
h-index

580821

25  
g-index

45  
all docs

45  
docs citations

45  
times ranked

665  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Enhanced oxygen reduction activity of size-selected platinum subnanocluster catalysts: Pt <sub>n</sub> (n = 3–9). <i>Catalysis Science and Technology</i> , 2022, 12, 1400-1407.  | 4.1  | 6         |
| 2  | Size-Dependent Oxidative Stability of Silicon Nanoclusters Mixed with a Tantalum Atom. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4423-4432.   | 3.1  | 3         |
| 3  | Al <sub>13</sub> <sup>+</sup> and B@Al <sub>12</sub> <sup>+</sup> superatoms on a molecularly decorated substrate. <i>Nature Communications</i> , 2022, 13, 1336.   | 12.8 | 13        |
| 4  | Molecularly Designed Cluster–Surface Interaction for Halogen-like and Alkali-like Metal-Encapsulating Silicon Cage Superatoms on n- and p-Type Organic Substrates. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10889-10899.               | 3.1  | 5         |
| 5  | Confined Hot Electron Relaxation at the Molecular Heterointerface of the Size-Selected Plasmonic Noble Metal Nanocluster and Layered C <sub>60</sub> . <i>ACS Nano</i> , 2021, 15, 1199-1209.   | 14.6 | 17        |
| 6  | Platinum nanocluster catalysts supported on Marimo carbon via scalable dry deposition synthesis. <i>RSC Advances</i> , 2021, 11, 39216-39222.   | 3.6  | 6         |
| 7  | Vibrational Spectra of Thiolate-Protected Gold Nanocluster with Infrared Reflection Absorption Spectroscopy: Size- and Temperature-Dependent Ordering Behavior of Organic Monolayer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 363-371. | 3.1  | 4         |
| 8  | Highly Dispersive Nearly Free Electron Bands at a 2D-Assembled C <sub>60</sub> Monolayer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 734-741.  | 3.1  | 8         |
| 9  | Interfacial Oxidation of Ta-Encapsulating Si <sub>16</sub> Cage Superatoms (Ta@Si <sub>16</sub> ) on Strontium Titanate Substrates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28108-28115.  | 3.1  | 7         |
| 10 | Occupied and Unoccupied Levels of Half-Fluorinated and Perfluorinated Rubrene Thin Films Probed by One- and Two-Photon Photoemission. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12409-12416.  | 3.1  | 1         |
| 11 | Visualization of Surface Plasmons Propagating at the Buried Organic/Metal Interface with Silver Nanocluster Sensitizers. <i>ACS Nano</i> , 2020, 14, 2044-2052.   | 14.6 | 10        |
| 12 | Enhanced oxygen reduction activity of platinum subnanocluster catalysts through charge redistribution. <i>Chemical Communications</i> , 2019, 55, 12603-12606.  | 4.1  | 22        |
| 13 | Size-Effect on Electrochemical Hydrogen Evolution Reaction by Single-Size Platinum Nanocluster Catalysts Immobilized on Strontium Titanate. <i>Topics in Catalysis</i> , 2018, 61, 126-135.   | 2.8  | 22        |
| 14 | Synthesis and Characterization of Metal-Encapsulating Si <sub>16</sub> Cage Superatoms. <i>Accounts of Chemical Research</i> , 2018, 51, 1735-1745.   | 15.6 | 63        |
| 15 | Liquid-phase catalysis by single-size palladium nanoclusters supported on strontium titanate: size-specific catalysts for Suzuki–Miyaura coupling. <i>Catalysis Science and Technology</i> , 2018, 8, 5827-5834.                                  | 4.1  | 6         |
| 16 | Nitric oxide oxidation of a Ta encapsulating Si cage nanocluster superatom (Ta@Si <sub>16</sub> ) deposited on an organic substrate; a Si cage collapse indicator. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26273-26279.            | 2.8  | 16        |
| 17 | Formation of Superatom Monolayer Using Nanocluster Ion Source Based on High-Power Impulse Magnetron Sputtering. , 2018, , 442-451.  |      | 0         |
| 18 | Formation of Highly Ordered Semiconducting Anthracene Monolayer Rigidly Connected to Insulating Alkanethiolate Thin Film. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26080-26087.  | 3.1  | 2         |

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|----|---|------|-----------|
| 19 | The stability of binary Al <sub>12</sub> X nanoclusters (X = Al and Ti): superatom or Wade's polyhedron. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 494004.   | 1.8  | 3         |
| 20 | Oxidative reactivity of alkali-like superatoms of group 5 metal-encapsulating Si <sub>16</sub> cage nanoclusters. <i>Communications Chemistry</i> , 2018, 1, .  | 4.5  | 17        |
| 21 | Characterization of floating-gate memory device with thiolate-protected gold and gold-palladium nanoclusters. <i>AIP Advances</i> , 2018, 8, .  | 1.3  | 12        |
| 22 | Photoexcited State Confinement in Two-Dimensional Crystalline Anthracene Monolayer at Room Temperature. <i>ACS Nano</i> , 2017, 11, 4307-4314.  | 14.6 | 17        |
| 23 | A designer ligand field for blue-green luminescence of organo-europium sandwich complexes with cyclononatetraenyl ligands. <i>Chemical Communications</i> , 2017, 53, 6557-6560.  | 4.1  | 36        |
| 24 | Two-photon photoelectron emission microscopy for surface plasmon polaritons at the Au(111) surface decorated with alkanethiolate self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13455-13461.                                   | 2.8  | 13        |
| 25 | Highly Ordered Self-Assembled Monolayers of Carboxy- and Ester-Terminated Alkanethiols on Au(111): Infrared Absorption and Hyperthermal-Deposition Experiments with Cr(benzene) <sub>2</sub> Ions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6736-6747. | 3.1  | 6         |
| 26 | Development of Integrated Dry-Wet Synthesis Method for Metal Encapsulating Silicon Cage Superatoms of M@Si <sub>16</sub> (M = Ti and Ta). <i>Journal of Physical Chemistry C</i> , 2017, 121, 20507-20516.  | 3.1  | 57        |
| 27 | Anion Photoelectron Spectroscopy of Rubrene: Molecular Insights into Singlet Fission Energetics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20680-20686.   | 3.1  | 9         |
| 28 | Geometric and electronic properties of Si-atom doped Al clusters: robustness of binary superatoms against charging. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20401-20411.   | 2.8  | 23        |
| 29 | Energy Level Alignment of Organic Molecules with Chemically Modified Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27399-27405.   | 3.1  | 4         |
| 30 | Multiple-decker and ring sandwich formation of manganese-benzene organometallic cluster anions: Mn <sub>n</sub> Bz <sub>n</sub> <sup>+</sup> (n = 15 and 18). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26049-26056.                                 | 2.8  | 6         |
| 31 | Formation of a superatom monolayer using gas-phase-synthesized Ta@Si <sub>16</sub> nanocluster ions. <i>Nanoscale</i> , 2014, 6, 14702-14707.   | 5.6  | 61        |
| 32 | Wavelength Dependence of Water Microdroplet Shattering with Dual IR Lasers and Dye Sensitization. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 459-470.   | 2.8  | 1         |
| 33 | Physical properties of mononuclear organo-europium sandwich complexes ligated by cyclooctatetraene and bis(trimethylsilyl)cyclooctatetraene. <i>Chemical Physics Letters</i> , 2014, 595-596, 144-150.  | 2.6  | 9         |
| 34 | Formation and Control of Ultrasharp Metal/Molecule Interfaces by Controlled Immobilization of Selected Metal Nanoclusters onto Organic Molecular Films. <i>Advanced Functional Materials</i> , 2014, 24, 1202-1210.   | 14.9 | 14        |
| 35 | Electronic and optical properties of a boron-doped aluminum cluster of $B_{16}Al_2$ . <i>Chemical Physics Letters</i> , 2013, 582, 100-104.   | 2.6  | 16        |
| 36 | Excited electron dynamics at ferrocene-terminated self-assembled monolayers on Au(111): Lengthened lifetime of image potential state. <i>Chemical Physics Letters</i> , 2013, 561-562, 131-136.   | 2.6  | 9         |

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|----|--|-----|-----------|
| 37 | Imaging and Characterizing Long-Range Surface Plasmon Polaritons Propagating in a Submillimeter Scale by Two-Color Two-Photon Photoelectron Emission Microscopy. <i>Plasmonics</i> , 2013, 8, 1411-1415.       | 3.4 | 22        |
| 38 | Dual IR laser shattering of a water microdroplet. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 31-37.   | 2.3 | 2         |
| 39 | Electronic structure of hydrogen-terminated silicon surfaces [H-Si(111)] studied by two-photon photoemission. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 735-743.                  | 2.3 | 9         |
| 40 | Two-photon photoemission spectroscopy for silver nanoparticles on a hydrogen-terminated Si(1 1 1) surface: Metal nanoparticle-enhanced photoemission. <i>Chemical Physics Letters</i> , 2010, 489, 69-74.      | 2.6 | 6         |
| 41 | An atomic force microscope study of vanadium-benzene sandwich clusters soft-landed on self-assembled monolayers. <i>European Physical Journal D</i> , 2009, 52, 103-106.                                       | 1.3 | 5         |
| 42 | Photoelectron spectroscopy of binary Au cluster anions with a doped metal atom: $Au_nM^{\ominus}$ ( $n=2\text{--}7$ ), $M=\text{Pd, Ni, Zn, Cu, and Mg}$ . <i>Chemical Physics Letters</i> , 2006, 422, 62-66. | 2.6 | 61        |
| 43 | Classification and characterization of gold and nickel nanoparticles with a differential mobility analyzer. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 209-215.                            | 6.1 | 15        |
| 44 | Magnetic properties of lanthanide organometallic sandwich complexes produced in a molecular beam. <i>Polyhedron</i> , 2005, 24, 2341-2345.   | 2.2 | 36        |
| 45 | Photoelectron spectroscopy of pyrene cluster anions, $(\text{pyrene})_n^{\ominus}$ ( $n=1\text{--}20$ ). <i>Chemical Physics Letters</i> , 2004, 389, 279-283.   | 2.6 | 31        |