

# Kazuhiko Mase

## List of Publications by Year in descending order

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194  
papers

2,713  
citations

218592

26  
h-index

289141

40  
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197  
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197  
docs citations

197  
times ranked

2597  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | In Situ Ambient Pressure XPS Study of CO Oxidation Reaction on Pd(111) Surfaces. Journal of Physical Chemistry C, 2012, 116, 18691-18697.  | 1.5 | 135       |
| 2  | Adsorbate-driven reactive interfacial Pt-NiO $\times 3$ nanostructure formation on the Pt $\times 3$ Ni(111) alloy surface. Science Advances, 2018, 4, eaat3151.   | 4.7 | 76        |
| 3  | Active Surface Oxygen for Catalytic CO Oxidation on Pd(100) Proceeding under Near Ambient Pressure Conditions. Journal of Physical Chemistry Letters, 2012, 3, 3182-3187.  | 2.1 | 67        |
| 4  | Performance of PF BL-13A, a vacuum ultraviolet and soft X-ray undulator beamline for studying organic thin films adsorbed on surfaces. Journal of Physics: Conference Series, 2013, 425, 152019.                                       | 0.3 | 65        |
| 5  | Organic matter in extraterrestrial water-bearing salt crystals. Science Advances, 2018, 4, eaao3521.   | 4.7 | 64        |
| 6  | Comparison of the surface electronic structures of H-adsorbed ZnO surfaces: An angle-resolved photoelectron spectroscopy study. Physical Review B, 2011, 83, .   | 1.1 | 60        |
| 7  | Utilizing Carbon Nanotube Electrodes to Improve Charge Injection and Transport in Bis(trifluoromethyl)-dimethyl-rubrene Ambipolar Single Crystal Transistors. ACS Nano, 2013, 7, 10245-10256.  | 7.3 | 56        |
| 8  | Metallization of ZnO $\times 10$ adsorption of hydrogen, methanol, and water: Angle-resolved photoelectron spectroscopy. Physical Review B, 2010, 81, .  | 1.1 | 55        |
| 9  | Control of chemical reactions by core excitations. Journal of Electron Spectroscopy and Related Phenomena, 2001, 119, 255-266.   | 0.8 | 50        |
| 10 | Impact of the molecular quadrupole moment on ionization energy and electron affinity of organic thin films: Experimental determination of electrostatic potential and electronic polarization energies. Physical Review B, 2018, 97, . | 1.1 | 47        |
| 11 | Development of electron-ion coincidence spectroscopy for the study of surface dynamics combined with synchrotron radiation. Review of Scientific Instruments, 1997, 68, 1703-1707.   | 0.6 | 45        |
| 12 | In situ analysis of catalytically active Pd surfaces for CO oxidation with near ambient pressure XPS. Catalysis Today, 2016, 260, 14-20.   | 2.2 | 44        |
| 13 | Site-specific fragmentation following Si:2p core-level photoionization of F3SiCH2CH2Si(CH3)3 condensed on a Au surface. Journal of Chemical Physics, 1997, 107, 10751-10755.   | 1.2 | 41        |
| 14 | A high-pressure-induced dense CO overlayer on a Pt(111) surface: a chemical analysis using in situ near ambient pressure XPS. Physical Chemistry Chemical Physics, 2014, 16, 23564-23567.  | 1.3 | 40        |
| 15 | Study of ion desorption induced by a resonant core-level excitation of condensed H2O using Auger electron photo-ion coincidence (AEPICO) spectroscopy combined with synchrotron radiation. Surface Science, 1997, 390, 97-101.         | 0.8 | 38        |
| 16 | Full Picture of Valence Band Structure of Rubrene Single Crystals Probed by Angle-Resolved and Excitation-Energy-Dependent Photoelectron Spectroscopy. Applied Physics Express, 2012, 5, 111601.                                       | 1.1 | 37        |
| 17 | Photostimulated desorption of NO chemisorbed on Pt(100) at 193 nm. Journal of Chemical Physics, 1989, 91, 590-597.   | 1.2 | 34        |
| 18 | Comparison of Solid-Water Partitions of Radiocesium in River Waters in Fukushima and Chernobyl Areas. Scientific Reports, 2017, 7, 12407.  | 1.6 | 34        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | <i>In situ</i> removal of carbon contamination from optics in a vacuum ultraviolet and soft X-ray undulator beamline using oxygen activated by zeroth-order synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 722-727.                 | 1.0 | 32        |
| 20 | Ion desorption induced by core-electron transitions studied with electron-ion coincidence spectroscopy. <i>Surface Science</i> , 2000, 451, 143-152.  | 0.8 | 31        |
| 21 | LEED study of NO adsorption-induced restructuring of a single-domain Pt(001)-(20 Å <sup>-1</sup> × 5) surface at 80 ± 410 K. <i>Surface Science</i> , 1992, 277, 97-108.  | 0.8 | 29        |
| 22 | Auger electron photoion coincidence technique combined with synchrotron radiation for the study of the ion desorption mechanism in the region of resonant transitions of condensed H <sub>2</sub> O. <i>Journal of Chemical Physics</i> , 1998, 108, 6550-6553. | 1.2 | 29        |
| 23 | Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. <i>Scientific Reports</i> , 2015, 5, 9483.  | 1.6 | 29        |
| 24 | Photodesorption of NO from Pt(001) at λ = 193, 248, and 352 nm. <i>Physical Review B</i> , 1993, 47, 4007-4010.   | 1.1 | 28        |
| 25 | Disappearance of Localized Valence Band Maximum of Ternary Tin Oxide with Pyrochlore Structure, Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> . <i>Journal of Physical Chemistry C</i> , 2017, 121, 9480-9488.   | 1.5 | 27        |
| 26 | Correlation between Photocatalytic Activity and Carrier Lifetime: Acetic Acid on Single-Crystal Surfaces of Anatase and Rutile TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2018, 122, 9562-9569.  | 1.5 | 27        |
| 27 | In Situ Photoemission Observation of Catalytic CO Oxidation Reaction on Pd(110) under Near-Ambient Pressure Conditions: Evidence for the Langmuir-Hinshelwood Mechanism. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20617-20624.                       | 1.5 | 26        |
| 28 | Surface segregation and oxidation of Pt <sub>3</sub> Ni(1 1 1) alloys under oxygen environment. <i>Catalysis Today</i> , 2016, 260, 3-7.  | 2.2 | 26        |
| 29 | Penning ionization electron spectroscopy of molecules containing the C = O group. Aldehydes and carboxylic acids. <i>The Journal of Physical Chemistry</i> , 1986, 90, 2015-2019.   | 2.9 | 25        |
| 30 | Ion desorption from molecules condensed at low temperature: A study with electron-ion coincidence spectroscopy combined with synchrotron radiation (Review). <i>Low Temperature Physics</i> , 2003, 29, 243-258.  | 0.2 | 25        |
| 31 | High-resolution photoelectron spectroscopy study of degradation of rubber-to-brass adhesion by thermal aging. <i>Applied Surface Science</i> , 2013, 268, 117-123.  | 3.1 | 25        |
| 32 | Operando NAP-XPS Observation and Kinetics Analysis of NO Reduction over Rh(111) Surface: Characterization of Active Surface and Reactive Species. <i>ACS Catalysis</i> , 2018, 8, 11663-11670.  | 5.5 | 25        |
| 33 | A novel organic-rich meteoritic clast from the outer solar system. <i>Scientific Reports</i> , 2019, 9, 3169.   | 1.6 | 25        |
| 34 | Present Status of a New Vacuum Ultraviolet and Soft X-Ray Undulator Beamline BL-13A for the Study of Organic Thin Films Adsorbed on Surfaces. <i>Journal of the Vacuum Society of Japan</i> , 2011, 54, 580-584.  | 0.3 | 24        |
| 35 | Graphene nanoribbons on vicinal SiC surfaces by molecular beam epitaxy. <i>Physical Review B</i> , 2013, 87, .  | 1.1 | 24        |
| 36 | How Rh surface breaks CO <sub>2</sub> molecules under ambient pressure. <i>Nature Communications</i> , 2020, 11, 5649.  | 5.8 | 24        |

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|----|--|-----|-----------|
| 37 | Photostimulated ion desorption from the TiO <sub>2</sub> (110) and ZnO surfaces. <i>Surface Science</i> , 2004, 572, 43-58.  | 0.8 | 23        |
| 38 | Polarized near-edge x-ray-absorption fine structure spectroscopy of C60-functionalized 11-amino-1-undecane thiol self-assembled monolayer: Molecular orientation and Evidence for C60 aggregation. <i>Journal of Chemical Physics</i> , 2005, 122, 154703. | 1.2 | 23        |
| 39 | Direct Detection of Fe(II) in Extracellular Polymeric Substances (EPS) at the Mineral-Microbe Interface in Bacterial Pyrite Leaching. <i>Microbes and Environments</i> , 2016, 31, 63-69.  | 0.7 | 23        |
| 40 | Photostimulated desorption of NO on Pt(001) studied with a multiphoton ionization technique. <i>Surface Science</i> , 1991, 242, 444-449.  | 0.8 | 22        |
| 41 | Development of Electron-Ion Coincidence Spectroscopy for the Study of Surface Dynamics. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 1829-1832.  | 2.0 | 22        |
| 42 | Auger-electron-ion coincidence study of photon-stimulated ion desorption for condensed acetonitrile. <i>Surface Science</i> , 1997, 390, 107-111.  | 0.8 | 22        |
| 43 | High-resolution photoelectron spectroscopy analysis of sulfidation of brass at the rubber/brass interface. <i>Applied Surface Science</i> , 2013, 264, 297-304.  | 3.1 | 22        |
| 44 | Determination of the highest occupied molecular orbital energy of pentacene single crystals by ultraviolet photoelectron and photoelectron yield spectroscopies. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 01AD03.                            | 0.8 | 22        |
| 45 | Electronic Structures of a Well-Defined Organic Hetero-Interface: C <sub>60</sub> on Pentacene Single Crystal. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 59-64.   | 0.1 | 22        |
| 46 | Study of ion desorption induced by a resonant core-level excitation of condensed NH <sub>3</sub> using Auger-electron photo-ion coincidence (AEPICO) spectroscopy combined with synchrotron radiation. <i>Surface Science</i> , 1997, 390, 102-106.        | 0.8 | 20        |
| 47 | In-situ surface analysis of AuPd(1 1 0) under elevated pressure of CO. <i>Catalysis Today</i> , 2016, 260, 39-45.  | 2.2 | 20        |
| 48 | Site-specific phenomena in Si:2p core-level photoionization of X <sub>3</sub> Si(CH <sub>2</sub> ) <sub>n</sub> Si(CH <sub>3</sub> ) <sub>3</sub> (X=F or Cl, n=0-2) condensed on a Si(111) surface. <i>Chemical Physics</i> , 1999, 249, 15-27.           | 0.9 | 19        |
| 49 | What Determines the Lifetime of Photoexcited Carriers on TiO <sub>2</sub> Surfaces?. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29283-29289.  | 1.5 | 19        |
| 50 | High-resolution core-level photoemission measurements on the pentacene single crystal surface assisted by photoconduction. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 094001.  | 0.7 | 19        |
| 51 | Operando Observation of NO Reduction by CO on Ir(111) Surface Using NAP-XPS and Mass Spectrometry: Dominant Reaction Pathway to N <sub>2</sub> Formation under Near Realistic Conditions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1763-1769.   | 1.5 | 19        |
| 52 | Two-photon photoemission from NO adsorbed on Cu(111). <i>Surface Science</i> , 1993, 286, 73-81.   | 0.8 | 18        |
| 53 | State-selected ion desorption from condensed H <sub>2</sub> O at 80 K studied by Auger electron photoion coincidence spectroscopy. <i>Chemical Physics Letters</i> , 1998, 298, 141-145.   | 1.2 | 18        |
| 54 | Oxygen-free palladium/titanium coating, a novel nonevaporable getter coating with an activation temperature of 133 Å°C. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .  | 0.9 | 18        |

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|----|---|-----|-----------|
| 55 | Adsorption state selectivity of ultraviolet laser-stimulated desorption of NO chemisorbed on Pt(001) at 80 K studied by (1+1)-resonance-enhanced multiphoton ionization. <i>Journal of Chemical Physics</i> , 1992, 96, 5523-5528.                                  | 1.2 | 17        |
| 56 | Site-specific fragmentation caused by core-level photoionization: Effect of chemisorption. <i>Journal of Chemical Physics</i> , 2002, 117, 3961-3971.   | 1.2 | 17        |
| 57 | Electron Donor Molecule on the Oxide Surface: Influence of Surface Termination of ZnO on Adsorption of Tetrathiafulvalene. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21843-21851.   | 1.5 | 17        |
| 58 | Site-Specific Fragmentation following C:1s Core-Level Photoionization of 1,1,1-Trifluoroethane Condensed on a Au Surface and of a 2,2,2-Trifluoroethanol Monolayer Chemisorbed on a Si(100) Surface. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1554-1561. | 1.2 | 16        |
| 59 | In situ chemical state analysis of buried polymer/metal adhesive interface by hard X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2014, 320, 177-182.   | 3.1 | 16        |
| 60 | Chemical states of surface oxygen during CO oxidation on Pt(100) surface revealed by ambient pressure XPS. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 464001.   | 0.7 | 16        |
| 61 | Electronic structures and chemical states of methylammonium lead triiodide thin films and the impact of annealing and moisture exposure. <i>Journal of Applied Physics</i> , 2018, 123, .   | 1.1 | 16        |
| 62 | Formation of Carbonate on Ag(111) under Exposure to Ethylene and Oxygen Gases Evidenced by Near Ambient Pressure XPS and NEXAFS. <i>Chemistry Letters</i> , 2019, 48, 159-162.  | 0.7 | 16        |
| 63 | In situ removal of carbon contamination from a chromium-coated mirror: ideal optics to suppress higher-order harmonics in the carbon K-edge region. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1359-1363.  | 1.0 | 16        |
| 64 | LEED observation of NO adsorption-induced relaxation on a single-domain Pt(001)-(20 Å <sup>-1</sup> × 5) surface. <i>Surface Science</i> , 1991, 242, 132-136.  | 0.8 | 15        |
| 65 | Photoelectron spectroscopic study of CO and NO adsorption on Pd(100) surface under ambient pressure conditions. <i>Surface Science</i> , 2013, 615, 33-40.  | 0.8 | 15        |
| 66 | Nanoscale Identification of Extracellular Organic Substances at the Microbe-Mineral Interface by Scanning Transmission X-ray Microscopy. <i>Chemistry Letters</i> , 2015, 44, 91-93.  | 0.7 | 15        |
| 67 | CO Adsorption on Pd-Au Alloy Surface: Reversible Adsorption Site Switching Induced by High-Pressure CO. <i>Journal of Physical Chemistry C</i> , 2016, 120, 416-421.  | 1.5 | 15        |
| 68 | Triangular lattice atomic layer of Sn(1 Å <sup>-1</sup> ) at graphene/SiC(0001) interface. <i>Applied Physics Express</i> , 2018, 11, 015202.   | 1.1 | 15        |
| 69 | Heating experiments of the Tagish Lake meteorite: Investigation of the effects of short-term heating on chondritic organics. <i>Meteoritics and Planetary Science</i> , 2019, 54, 104-125.  | 0.7 | 15        |
| 70 | Development of an electron electron ion coincidence analyzer for Auger photoelectron coincidence spectroscopy (APECS) and electron ion coincidence (EICO) spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 161, 164-171.         | 0.8 | 14        |
| 71 | Development of an Apparatus for High-Resolution Auger Photoelectron Coincidence Spectroscopy (APECS) and Electron Ion Coincidence (EICO) Spectroscopy. <i>Journal of the Vacuum Society of Japan</i> , 2008, 51, 749-757.   | 0.3 | 14        |
| 72 | Characterization of Particulate Matters in the Pripyat River in Chernobyl Related to Their Adsorption of Radiocesium with Inhibition Effect by Natural Organic Matter. <i>Chemistry Letters</i> , 2014, 43, 1128-1130.  | 0.7 | 14        |

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|----|---|-----|-----------|
| 73 | Construction and Evaluation of Coaxially Symmetric Mirror Electron Energy Analyzer with High Sensitivity, and Its Application to Coincidence Spectroscopy. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 377-384.  | 0.2 | 14        |
| 74 | Angle-Resolved HAXPES Investigation on the Chemical Origin of Adhesion between Natural Rubber and Brass. Langmuir, 2017, 33, 9582-9589.   | 1.6 | 13        |
| 75 | Non-Evaporable Getter (NEG) Coating Using Titanium and Palladium Vacuum Sublimation. Vacuum and Surface Science, 2018, 61, 227-235.   | 0.0 | 13        |
| 76 | Auger electron-ion coincidence study for H <sub>2</sub> O adsorbed on at 80 K. Surface Science, 1996, 363, 342-346.   | 0.8 | 12        |
| 77 | Auger-final-state selected ion desorption study of condensed NH <sub>3</sub> and ND <sub>3</sub> by using Auger electron-photoion coincidence spectroscopy. Surface Science, 1997, 377-379, 380-383.  | 0.8 | 12        |
| 78 | Recent progress in coincidence studies on ion desorption induced by core excitation. Journal of Physics Condensed Matter, 2006, 18, S1389-S1408.  | 0.7 | 12        |
| 79 | Surface-site-selective study of valence electronic states of a clean Si(111)-7 $\times$ 7 surface using Si 2p photoelectron coincidence measurements. Physical Review B, 2011, 83, .  | 1.1 | 12        |
| 80 | High-Pressure NO-Induced Mixed Phase on Rh(111): Chemically Driven Replacement. Journal of Physical Chemistry C, 2015, 119, 3033-3039.  | 1.5 | 12        |
| 81 | Modulation of Electron-Phonon Coupling in One-Dimensionally Nanorippled Graphene on a Macrofacet of 6H-SiC. Nano Letters, 2017, 17, 3527-3532.  | 4.5 | 12        |
| 82 | Construction of a New VUV-Soft X-ray Undulator Beamline BL-13A in the Photon Factory for Study of Organic Thin Films and Biomolecules Adsorbed on Surfaces. AIP Conference Proceedings, 2010, , .   | 0.3 | 11        |
| 83 | Molecular mixing in donor and acceptor domains as investigated by scanning transmission X-ray microscopy. Applied Physics Express, 2014, 7, 052302.<br>A near-ambient-pressure XPS study on catalytic CO oxidation reaction over a Ru( $\sqrt{3}\times\sqrt{3}$ )Tj ETQq0 0.0 rgBT /Overlock 10 Tf 50 322 | 1.1 | 11        |
| 84 |   | 0.8 | 11        |
| 85 | Surface Science, 2014, 621, 128-132.<br>Anisotropic valence band dispersion of single crystal pentacene as measured by angle-resolved ultraviolet photoelectron spectroscopy. Journal of Materials Research, 2018, 33, 3362-3370.   | 1.2 | 11        |
| 86 | Mechanism of ion desorption induced by core-electron transitions of condensed molecules and adsorbates studied by electron ion coincidence spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 13-19.  | 0.8 | 10        |
| 87 | Construction and evaluation of an electron-ion coincidence apparatus using a large transmission coaxially symmetric mirror electron energy analyzer. Surface Science, 2003, 528, 261-265.   | 0.8 | 10        |
| 88 | Direct observation of energy band development in a one-dimensional biradical molecular chain by ultraviolet photoemission spectroscopy. Applied Physics Letters, 2013, 102, 134103.   | 1.5 | 10        |
| 89 | A Surface Science Approach to Unveiling the TiO <sub>2</sub> Photocatalytic Mechanism: Correlation between Photocatalytic Activity and Carrier Lifetime. E-Journal of Surface Science and Nanotechnology, 2019, 17, 130-147.  | 0.1 | 10        |
| 90 | Operando study of Pd(100) surface during CO oxidation using ambient pressure x-ray photoemission spectroscopy. AIP Advances, 2019, 9, .   | 0.6 | 10        |

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|-----|--|-----|-----------|
| 91  | Enhanced Photoresponsivity of Fullerene in the Presence of Phthalocyanine: A Time-Resolved X-ray Photoelectron Spectroscopy Study of Phthalocyanine/C <sub>60</sub> /TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , 2019, 123, 4388-4395.      | 1.5 | 10        |
| 92  | High sensitivity detection of the frontier electronic states of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystals by low energy excitation. <i>Applied Physics Express</i> , 2019, 12, 051009.  | 1.1 | 10        |
| 93  | Study of ion desorption induced by core-level excitations of condensed Si(CH <sub>3</sub> ) <sub>4</sub> by using photoelectron-photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation. <i>Surface Science</i> , 1997, 377-379, 376-379. | 0.8 | 9         |
| 94  | An Electron-Ion Coincidence Spectroscopy Study of Ion Desorption Induced by Core-Electron Transitions of Surfaces. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 233.   | 0.8 | 9         |
| 95  | Excitation site-specific ion desorption study of Si() surfaces fluorinated by XeF <sub>2</sub> using photoelectron photoion coincidence spectroscopy. <i>Surface Science</i> , 2003, 528, 255-260.   | 0.8 | 9         |
| 96  | Construction and Evaluation of Miniature Cylindrical Mirror Electron Energy Analyzer (CMA), and Its Application for Auger-Photoelectron Coincidence Spectroscopy. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2004, 47, 334-338.                      | 0.2 | 9         |
| 97  | Effect of physisorption of inert organic molecules on Au(111) surface electronic states. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18646-18651.   | 1.3 | 9         |
| 98  | Electron-Ion Coincidence Spectroscopy as a New Tool for Surface Analysis –an Application to the Ice Surface. <i>Japanese Journal of Applied Physics</i> , 2000, 39, 4489-4492.   | 0.8 | 8         |
| 99  | Development of a miniature double-pass cylindrical mirror electron energy analyzer (DPCMA), and its application to Auger photoelectron coincidence spectroscopy (APECS). <i>Surface Science</i> , 2007, 601, 3589-3592.  | 0.8 | 8         |
| 100 | Auger-electron spectra of F <sub>3</sub> SiCH <sub>2</sub> CH <sub>2</sub> Si(CH <sub>3</sub> ) <sub>3</sub> obtained by using monochromatized synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 175, 14-20.          | 0.8 | 8         |
| 101 | Surface-Site-Selective Study of Valence Electronic Structures of Clean Si(100)-2 $\times$ 1 Using Si-L23W Auger Electron Si-2p Photoelectron Coincidence Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 064714.                       | 0.7 | 8         |
| 102 | Topmost-surface-sensitive Si-2p photoelectron spectra of clean Si(100)-2 $\times$ 1 measured with photoelectron Auger coincidence spectroscopy. <i>Surface Science</i> , 2010, 604, L27-L30.   | 0.8 | 8         |
| 103 | Electron-Donor Dye Molecule on ZnO(101 $\bar{1}$ 0), (0001), and (0001 $\bar{1}$ 0) Studied by Photoelectron Spectroscopy and X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8653-8662.                                      | 1.5 | 8         |
| 104 | Evidence for chemical bond formation at rubber-brass interface: Photoelectron spectroscopy study of bonding interaction between copper sulfide and model molecules of natural rubber. <i>Surface Science</i> , 2016, 654, 14-19.                                 | 0.8 | 8         |
| 105 | Improved pumping speeds of oxygen-free palladium/titanium nonevaporable getter coatings and suppression of outgassing by baking under oxygen. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .                        | 0.9 | 8         |
| 106 | Electronic structure of the clean interface between single crystal CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and an organic hole transporting material spiro-OMeTAD. <i>Applied Physics Letters</i> , 2020, 116, .  | 1.5 | 8         |
| 107 | Twisted bilayer graphene fabricated by direct bonding in a high vacuum. <i>Applied Physics Express</i> , 2020, 13, 075004.   | 1.1 | 8         |
| 108 | Construction and Evaluation of Polar-Angle-Resolved Miniature Time-of-Flight Ion Mass Spectrometer, and Its Application for Electron-Ion Coincidence Spectroscopy. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2004, 47, 14-21.                       | 0.2 | 8         |



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|-----|--|-----|-----------|
| 109 | Effects of the ambient exposure on the electronic states of the clean surface of the pentacene single crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 648, 216-222.   | 0.4 | 7         |
| 110 | Interface Structures and Electronic States of Epitaxial Tetraazanaphthacene on Single-Crystal Pentacene. <i>Materials</i> , 2021, 14, 1088.  | 1.3 | 7         |
| 111 | Miniature Electron/Ion/Soft-X-Ray Detector Mounted on a Conflat Flange with an Outer Diameter of 70 mm. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2007, 50, 583-585.  | 0.2 | 7         |
| 112 | Quasi-Homoepitaxial Junction of Organic Semiconductors: A Structurally Seamless but Electronically Abrupt Interface between Rubrene and Bis(trifluoromethyl)dimethylrubrene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11430-11437.   | 2.1 | 7         |
| 113 | Competition between Itineracy and Localization of Electrons Doped into the Near-Surface Region of Anatase TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2018, 122, 19661-19669.  | 1.5 | 6         |
| 114 | In-gap state generated by La-on-Sr substitutional defects within the bulk of SrTiO <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14646-14653.  | 1.3 | 6         |
| 115 | XPS study on the thermal stability of oxygen-free Pd/Ti thin film, a new non-evaporable getter (NEG) coating. <i>AIP Conference Proceedings</i> , 2019, , .  | 0.3 | 6         |
| 116 | Operando observations of reactive metalâ€“Oxide structure formation on the Pt <sub>3</sub> Ni(111) surface at near-ambient pressure. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 238, 146857.  | 0.8 | 6         |
| 117 | Orientation-Dependent Hindrance to the Oxidation of Pdâ€“Au Alloy Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9249-9254.  | 2.1 | 6         |
| 118 | Silicon Single Crystal Wafer Holder with a Cold Trap and a Direct Current Heating Mechanism Mounted on a Conflat Flange with an Outer Diameter of 70 mm. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2007, 50, 57-59.   | 0.2 | 6         |
| 119 | Beamline commissioning for microscopic measurements with ultraviolet and soft X-ray beam at the upgraded beamline BL-13B of the Photon Factory. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 400-408.   | 1.0 | 6         |
| 120 | Synchrotron Radiation Irradiation Effects for SiHnon Si(100) Surface in the Synchrotron Radiation Stimulated Si Gas Source Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 6894.  | 0.8 | 5         |
| 121 | Kinetic energy distribution of H <sup>+</sup> desorbed by core-level excitations of condensed ammonia using a miniature cylindrical mirror analyzer (CMA). <i>Surface Science</i> , 2005, 593, 291-296.  | 0.8 | 5         |
| 122 | Site-specific ion desorption from condensed F <sub>3</sub> SiCD <sub>2</sub> CH <sub>2</sub> Si(CH <sub>3</sub> ) <sub>3</sub> induced by Si-2p core-level ionizations studied with photoelectron photoion coincidence (PEPICO) spectroscopy, Auger photoelectron coincidence spectroscopy (APECS) and Auger electron photoion coincidence (AEPICO) spectroscopy. <i>Surface Science</i> , 2013, 607, 174-180. | 0.8 | 5         |
| 123 | Photoelectron spectroscopy study of interaction of oxygen with the (111) surface of a Cuâ€“Zn alloy. <i>Surface Science</i> , 2014, 623, 1-5.  | 0.8 | 5         |
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