# Shinya Ohno

List of Publications by Year
in descending order

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| | | 759233 | 839539 |
|---|---|---|---|
| 65 | 448 | 12 | 18 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 65 | 65 | 65 | 361 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Thermal oxidation process on Si(113)-(3 Ã— 2) investigated using high-temperature scanning tunneling microscopy. Beilstein Journal of Nanotechnology, 2022, 13, 172-181. | 2.8 | 0 |
| 2 | Oxidation of Anatase TiO2(001) Surface Using Supersonic Seeded Oxygen Molecular Beam. Langmuir, 2021, 37, 12313-12317. | 3.5 | 2 |
| 3 | Short-term Overseas Research Experience in Linz. Vacuum and Surface Science, 2020, 63, 318-319. | 0.1 | 0 |
| 4 | Multiple-peak resonance of optical second harmonic generation arising from band nesting in monolayer transition metal dichalcogenides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>T</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn> on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Si</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo></mml:mo><mml:mi>Si</mml:mi><mml:m. | 3.2 | 12 |
| 5 | Intra-dimer row and inter-dimer row coupling of the vibrational modes of chemisorbed CO on Si(001)-c(4Ã—2) observed by angle-dependent transmission infrared spectroscopy. Journal of Chemical Physics, 2019, 151, 074702. | 3.0 | 1 |
| 6 | XPS study on the thermal stability of oxygen-free Pd/Ti thin film, a new non-evaporable getter (NEG) coating. AIP Conference Proceedings, 2019, , . | 0.4 | 6 |
| 7 | Second-harmonic generation from supported carbon nanotube films grown by chemical vapor deposition on fused silica. Japanese Journal of Applied Physics, 2019, 58, 032006. | 1.5 | 1 |
| 8 | Surface analysis and pumping speed measurements of oxygen-free palladium/titanium nonevaporable getter after heating at 100â€“450â€‰Â°C. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 062923. | 1.2 | 5 |
| 9 | Development of a New Nonevaporable Getter Coating Using Oxygen-Free Palladium/Titanium, Surface Analysis by Synchrotron Radiation X-ray Photoelectron Spectroscopy, Residual Gas Analysis, and Evaluation of Pumping Speeds. Vacuum and Surface Science, 2019, 62, 568-573. | 0.1 | 0 |
| 10 | Electronic structure of Î±-sexithiophene ultrathin films grown on. Physical Chemistry Chemical Physics, 2018, 20, 1114-1126. | 2.8 | 8 |
| 11 | Non-Evaporable Getter (NEG) Coating Using Titanium and Palladium Vacuum Sublimation. Vacuum and Surface Science, 2018, 61, 227-235. | 0.1 | 13 |
| 12 | Oxygen-free palladium/titanium coating, a novel nonevaporable getter coating with an activation temperature of 133â€‰Â°C. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, . | 2.1 | 18 |
| 13 | Observation of the adsorption and desorption kinetics of weakly bound CO on Si(001)-c(4Ã—2) by means of reflectance difference spectroscopy. Surface Science, 2017, 662, 82-86. | 1.9 | 1 |
| 14 | Photoinduced charge transfer from vacuum-deposited molecules to single-layer transition metal dichalcogenides. Japanese Journal of Applied Physics, 2016, 55, 065201. | 1.5 | 13 |
| 15 | Low-cost, high-performance nonevaporable getter pumps using nonevaporable getter pills. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, . | 2.1 | 5 |
| 16 | Oxidation Processes on High-index Silicon Surfaces. Journal of the Vacuum Society of Japan, 2015, 58, 37-42. | 0.3 | 0 |
| 17 | Adsorption and self-assembled structures of sexithiophene on the Si(111)-3Ã—3-Ag surface. Journal of Chemical Physics, 2015, 142, 204701. | 3.0 | 6 |
| 18 | Molecular Motion Induced by Multivibronic Excitation on Semiconductor Surface. Journal of Physical Chemistry C, 2014, 118, 1554-1559. | 3.1 | 5 |

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| 19 | Titanium-induced charge of Si(001) surface dependent on local configuration. Journal of Electron Spectroscopy and Related Phenomena, 2014, 192, 35-39. | 1.7 | 1 |
| 20 | Electronic structure of Î±-sexithiophene ultrathin films grown on passivated Si(001) surfaces. Applied Surface Science, 2014, 307, 520-524. | 6.1 | 6 |
| 21 | Decay Processes of Si 2sCore Holes in Si(111)-7 Ã— 7 Revealed by Si Auger Electron Si 2sPhotoelectron Coincidence Measurements. Journal of the Physical Society of Japan, 2014, 83, 094704. | 1.6 | 2 |
| 22 | Determination of molecular orientation of Î±-sexithiophene on passivated Si(001) by means of optical reflectance spectroscopic methods. Surface Science, 2013, 616, 36-43. | 1.9 | 7 |
| 23 | Adsorption and reaction of titanium on an oxidized Si(001) surface. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 56-60. | 1.7 | 2 |
| 24 | Nanoscale relaxation in Ruâ€“Si growth on a silicon (111) surface. Surface and Interface Analysis, 2013, 45, 1109-1112. | 1.8 | 1 |
| 25 | Characterization of Monolayer Oxide Formation Processes on High-Index Si Surfaces by Photoelectron Spectroscopy with Synchrotron Radiation. Applied Physics Express, 2013, 6, 115701. | 2.4 | 5 |
| 26 | Oxynitride Formation Processes on Si(001) Studied by Means of Reflectance Difference Spectroscopy. Japanese Journal of Applied Physics, 2013, 52, 126505. | 1.5 | 2 |
| 27 | Time Courses and Timeâ€Resolved Spectra of Firefly Bioluminescence Initiated by Two Methods of <scp>ATP</scp> Injection and Photolysis of Caged <scp>ATP</scp>. Photochemistry and Photobiology, 2013, 89, 1490-1496. | 2.5 | 5 |
| 28 | Attempts to Improve the Sensitivity and the Energy Resolution of an Analyzer for Auger Photoelectron Coincidence Spectroscopy and Electron Ion Coincidence Spectroscopy. Journal of the Vacuum Society of Japan, 2013, 56, 507-510. | 0.3 | 0 |
| 29 | Microstructure and Local Density of States of Ruthenium Silicide on Si(001) Surface. Materials Transactions, 2012, 53, 1582-1585. | 1.2 | 3 |
| 30 | Time-evolution of thermal oxidation on high-index silicon surfaces: Real-time photoemission spectroscopic study with synchrotron radiation. Surface Science, 2012, 606, 1685-1692. | 1.9 | 9 |
| 31 | Enhanced silicon oxidation on titanium-covered Si(001). Journal of Physics Condensed Matter, 2011, 23, 305001. | 1.8 | 5 |
| 32 | The Reaction Process of Firefly Bioluminescence Triggered by Photolysis of Caged-ATP. Photochemistry and Photobiology, 2011, 87, 653-658. | 2.5 | 4 |
| 33 | Vacuum-ultraviolet reflectance difference spectroscopy for characterizing dielectricsâ€“semiconductor interfaces. Thin Solid Films, 2011, 519, 2830-2833. | 1.8 | 2 |
| 34 | SiO2/Si interfaces on high-index surfaces: Re-evaluation of trap densities and characterization of bonding structures. Applied Physics Letters, 2011, 98, 092906. | 3.3 | 14 |
| 35 | Contribution in Semiconductor Industry of Surface Science -Clusters Observed for Adsorbate Coverages Close to the Saturation Coverage-. Hyomen Kagaku, 2011, 32, 302-307. | 0.0 | 3 |
| 36 | Real-time Optical Measurement of Alkali-metal Adsorption and Desorption Processes on a Si(001) Surface. Journal of the Vacuum Society of Japan, 2011, 54, 220-223. | 0.3 | 0 |

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|---|---|---|---|
| 37 | Boundaries between square-shaped, nitrogen-adsorbed islands on Cu(001): Two relief mechanisms of the stress induced by atomic adsorbates. Surface Science, 2010, 604, 1961-1971. | 1.9 | 12 |
| 38 | Thermally processed titanium oxides film on Si(001) surface studied with scanning tunneling microscopy/spectroscopy. Applied Surface Science, 2010, 257, 1672-1677. | 6.1 | 2 |
| 39 | Reaction Kinetics in the Rapid Oxide Growth on Si(001)-(2Ã—1) Probed with Reflectance Difference Spectroscopy. Japanese Journal of Applied Physics, 2010, 49, 055702. | 1.5 | 7 |
| 40 | Reflectance Difference Spectroscopy in Vacuumâ€“Ultraviolet Range: Developing Measurement System and Applying to Characterization of SiO2/Si Interfaces. Japanese Journal of Applied Physics, 2010, 49, 022403. | 1.5 | 5 |
| 41 | Theoretical Investigation of the Reaction Pathway of O Atom on Si(001)-(2 Ã— 1). Journal of Physical Chemistry C, 2010, 114, 15671-15677. | 3.1 | 11 |
| 42 | Real-time Analysis of Initial Oxidation Process on Si(001) by Means of Surface Differential Reflectance Spectroscopy and Reflectance Difference Spectroscopy. Journal of the Vacuum Society of Japan, 2010, 53, 413-420. | 0.3 | 1 |
| 43 | Modification by H-termination in growth process of titanium silicide on Si(001)-2Ã—1 observed with scanning tunneling microscopy. Applied Surface Science, 2009, 256, 1191-1195. | 6.1 | 5 |
| 44 | The local electronic properties and formation process of titanium silicide nanostructures on Si(001)-(2 Ã— 1). Journal of Physics Condensed Matter, 2008, 20, 485006. | 1.8 | 13 |
| 45 | Monolayer oxidation on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Si</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>001</mml:mn><mml:mo>)</mml:mo></mml:mrow></mml:mrow> by means of reflectance difference spectroscopy. Physical Review B, 2008, 77, . | 3.2 | 17 |
| 46 | Electron correlation effects in Co nanoscale islands on a nitrogen-covered Cu(001) surface. Physical Review B, 2008, 77, . | 3.2 | 4 |
| 47 | Regular arrangement of nanometre-scale clusters by surface strain on stabilized Cl/Si(111). Journal of Physics Condensed Matter, 2007, 19, 096010. | 1.8 | 2 |
| 48 | Real-time observation of electron-stimulated effects on Si(001)-(2 Ã— 1) by optical reflectance spectroscopic methods. Journal of Physics Condensed Matter, 2007, 19, 446008. | 1.8 | 1 |
| 49 | The temperature dependence of monolayer oxidation on Si(001)-(2 Ã— 1) studied with surface differential reflectance spectroscopy. Journal of Physics Condensed Matter, 2007, 19, 446011. | 1.8 | 8 |
| 50 | Observation of thermal growth of silicide on titanium-deposited silicon surfaces. Surface Science, 2007, 601, 4444-4448. | 1.9 | 14 |
| 51 | Real-time coverage monitoring of initial oxidation processes on Si(001) by means of surface differential reflectance. Journal of Physics Condensed Matter, 2006, 18, L209-L216. | 1.8 | 9 |
| 52 | Characterization of initial halogen adsorption on Si(111) surface by scanning tunnelling microscopy: correlation with optical measurements. Journal of Physics Condensed Matter, 2006, 18, 5895-5903. | 1.8 | 5 |
| 53 | Study of Si(111) Surface Reflection Spectrum by Cluster Calculation. Shinku/Journal of the Vacuum Society of Japan, 2006, 49, 138-140. | 0.2 | 2 |
| 54 | Formation Process of Poly-bromides in Br Adsorption on Si(111) Surface. Shinku/Journal of the Vacuum Society of Japan, 2006, 49, 144-146. | 0.2 | 0 |

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| 55 | Dependence of Surface Differential Reflectance Spectra on the Incident Photon Energy during Initial Oxidation on Si(001). Shinku/Journal of the Vacuum Society of Japan, 2006, 49, 323-326. | 0.2 | 2 |
| 56 | Improved crystal grinding and polishing holder for metal single crystal preparation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 362-363. | 2.1 | 1 |
| 57 | Electron impact effects on the oxidation of Si(111) at 90 K. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 475-479. | 2.1 | 10 |
| 58 | Dissociation preference of oxygen molecules on an inhomogeneously strained Cu(001) surface. Surface Science, 2004, 554, 183-192. | 1.9 | 32 |
| 59 | Lattice deformation and strain-dependent atom processes at nitrogen-modified Cu(001) surfaces. Progress in Surface Science, 2004, 77, 1-36. | 8.3 | 33 |
| 60 | Distribution of lattice-strain on partly nitrogen-covered Cu(001) surfaces. Surface Science, 2003, 547, L871-L876. | 1.9 | 24 |
| 61 | Growth mechanism of Fe nanoisland array on Cu()â€“c(2Ã—2)N surfaces. Surface Science, 2003, 523, 189-198. | 1.9 | 17 |
| 62 | DIRECT EVIDENCE FOR ITINERANT MAGNETITE ABOVE AND BELOW THE VERWEY TRANSITION TEMPERATURE. Surface Review and Letters, 2002, 09, 907-912. | 1.1 | 4 |
| 63 | ELECTRONIC STRUCTURE OF Ag THIN FILMS ON A Ge(001) SURFACE. Surface Review and Letters, 2002, 09, 681-686. | 1.1 | 4 |
| 64 | Arrays of magnetic nanodots on nitrogen-modified Cu(001) surfaces. Journal of Physics Condensed Matter, 2002, 14, 8177-8197. | 1.8 | 18 |
| 65 | Growth of ferromagnetic dot arrays on Cu( 001 )â€“c(2Ã—2)N surfaces. Surface Science, 2001, 493, 539-546. | 1.9 | 18 |