

Daisuke Fujita

List of Publications by Year in descending order

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Version: 2024-02-01

176
papers

3,598
citations

136950

32
h-index

161849

54
g-index

184
all docs

184
docs citations

184
times ranked

5164
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High-endurance micro-engineered LaB6 nanowire electron source for high-resolution electron microscopy. <i>Nature Nanotechnology</i> , 2022, 17, 21-26. | 31.5 | 17 |
| 2 | All Basics that Are Wrong with the Current Concept of Time Crystal: Learning from the Polyatomic Time Crystals of Protein, microtubule, and Neuron. <i>Lecture Notes in Networks and Systems</i> , 2022, , 243-254. | 0.7 | 13 |
| 3 | Strong suppression of graphene growth by sulfur superstructure on a nickel substrate. <i>Physical Review Materials</i> , 2022, 6, . | 2.4 | 0 |
| 4 | Aging Analysis of Reference Sample Surface Using Helium Ion Microscopy. <i>Vacuum and Surface Science</i> , 2021, 64, 424-429. | 0.1 | 0 |
| 5 | Graphene-substrate decoupling by S segregation. A LEEM/LEED study. <i>Carbon</i> , 2021, 185, 324-333. | 10.3 | 1 |
| 6 | Mechanomics Biomarker for Cancer Cells Unidentifiable through Morphology and Elastic Modulus. <i>Nano Letters</i> , 2021, 21, 1538-1545. | 9.1 | 19 |
| 7 | A Space-Time-Topology-Prime, stTS Metric for a Self-operating Mathematical Universe Uses Dodecanion Geometric Algebra of 2-20 D Complex Vectors. <i>Lecture Notes in Networks and Systems</i> , 2021, , 1-31. | 0.7 | 12 |
| 8 | Radio Waveguide“Double Ratchet Rotors Work in Unison on a Surface to Convert Heat into Power. <i>Nano Letters</i> , 2020, 20, 6891-6898. | 9.1 | 4 |
| 9 | Speedy one-pot electrochemical synthesis of giant octahedrons from in situ generated pyrrolidinyl PAMAM dendrimer. <i>Soft Matter</i> , 2020, 16, 9140-9146. | 2.7 | 2 |
| 10 | A Self-Operating Time Crystal Model of the Human Brain: Can We Replace Entire Brain Hardware with a 3D Fractal Architecture of Clocks Alone?. <i>Information (Switzerland)</i> , 2020, 11, 238. | 2.9 | 36 |
| 11 | Stress mapping reveals extrinsic toughening of brittle carbon fiber in polymer matrix. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 267-277. | 6.1 | 5 |
| 12 | Intrinsically Substitutional Carbon Doping in CVD-Grown Monolayer MoS2 and the Band Structure Modulation. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1055-1064. | 4.3 | 17 |
| 13 | Direct observation of charge accumulation in quantum well solar cells by cross-sectional Kelvin probe force microscopy. <i>Applied Physics Letters</i> , 2020, 116, . | 3.3 | 2 |
| 14 | Fractal, Scale Free Electromagnetic Resonance of a Single Brain Extracted Microtubule Nanowire, a Single Tubulin Protein and a Single Neuron. <i>Fractal and Fractional</i> , 2020, 4, 11. | 3.3 | 41 |
| 15 | Growth of quadrilateral graphene flakes with a sulfur atomic template on the surface of Ni (110). <i>Carbon</i> , 2019, 153, 116-119. | 10.3 | 5 |
| 16 | Stress dependence of indentation modulus for carbon fiber in polymer composite. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 412-420. | 6.1 | 13 |
| 17 | Elucidation of heterogeneous graphene nucleation and growth through Cu surface engineering. <i>Carbon</i> , 2019, 147, 120-125. | 10.3 | 5 |
| 18 | Dynamically visualizing battery reactions by operando Kelvin probe force microscopy. <i>Communications Chemistry</i> , 2019, 2, . | 4.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Study on Carrier Separation in Perovskite Solar Cells by Operando Profiling of Electrical Potential Distribution. <i>Vacuum and Surface Science</i> , 2019, 62, 9-14. | 0.1 | 0 |
| 20 | Measurement Informatics in Surface Science. <i>Vacuum and Surface Science</i> , 2019, 62, 122-129. | 0.1 | 0 |
| 21 | Scanning Helium Ion Microscope. , 2018, , 571-575. | | 0 |
| 22 | Control of Electrical Potential Distribution for High-Performance Perovskite Solar Cells. <i>Joule</i> , 2018, 2, 296-306. | 24.0 | 138 |
| 23 | Informatics-Aided Raman Microscopy for Nanometric 3D Stress Characterization. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7187-7193. | 3.1 | 4 |
| 24 | Multivariate analysis for scanning tunneling spectroscopy data. <i>Applied Surface Science</i> , 2018, 428, 186-190. | 6.1 | 3 |
| 25 | Fractal Information Theory (FIT)-Derived Geometric Musical Language (GML) for Brain-Inspired Hypercomputing. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 343-372. | 0.6 | 10 |
| 26 | Generation of Ultrahigh and Extreme-high Vacuum, and the Outgassing Mechanism. <i>Vacuum and Surface Science</i> , 2018, 61, 578-585. | 0.1 | 1 |
| 27 | In-vivo & in-vitro toxicity test of molecularly engineered PCMS: A potential drug for wireless remote controlled treatment. <i>Toxicology Reports</i> , 2018, 5, 1044-1052. | 3.3 | 15 |
| 28 | Report of the 8 th International Symposium on Surface Science (ISSS-8). <i>Vacuum and Surface Science</i> , 2018, 61, 184-185. | 0.1 | 0 |
| 29 | In situ voltage-application system for active voltage contrast imaging in helium ion microscope. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 042903. | 1.2 | 4 |
| 30 | In situ visualization of Li concentration in all-solid-state lithium ion batteries using time-of-flight secondary ion mass spectrometry. <i>Journal of Power Sources</i> , 2018, 400, 527-532. | 7.8 | 20 |
| 31 | Li Distribution Measurement on All-solid-state Lithium Ion Battery Using <i>In Situ</i> Battery Operation Combined with ToF-SIMS. <i>Materia Japan</i> , 2018, 57, 600-600. | 0.1 | 0 |
| 32 | Permeation through graphene ripples. <i>2D Materials</i> , 2017, 4, 025010. | 4.4 | 12 |
| 33 | Inhomogeneous composition distribution in monolayer transition metal dichalcogenide alloys. <i>Materials Research Express</i> , 2017, 4, 045004. | 1.6 | 4 |
| 34 | Synthesis and fast transfer of monolayer MoS ₂ on reusable fused silica. <i>Nanoscale</i> , 2017, 9, 6984-6990. | 5.6 | 18 |
| 35 | Internal potential mapping of charged solid-state-lithium ion batteries using in situ Kelvin probe force microscopy. <i>Nanoscale</i> , 2017, 9, 893-898. | 5.6 | 89 |
| 36 | Elucidation of Zero-Dimensional to Two-Dimensional Growth Transition in MoS ₂ Chemical Vapor Deposition Synthesis. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600687. | 3.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Inventing atomic resolution scanning dielectric microscopy to see a single protein complex operation live at resonance in a neuron without touching or adulterating the cell. Journal of Integrative Neuroscience, 2016, 15, 435-462. | 1.7 | 37 |
| 38 | Advanced in situ multi-scale characterization of hardness of carbon-fiber-reinforced plastic. Japanese Journal of Applied Physics, 2016, 55, 106602. | 1.5 | 2 |
| 39 | Tandem photovoltaic photoelectrochemical GaAs/InGaAs/WO ₃ /BiVO ₄ device for solar hydrogen generation. Japanese Journal of Applied Physics, 2016, 55, 04ES01. | 1.5 | 28 |
| 40 | Thermal decomposition of fullerene nanowhiskers protected by amorphous carbon mask. Scientific Reports, 2016, 6, 38760. | 3.3 | 10 |
| 41 | A simultaneous one pot synthesis of two fractal structures via swapping two fractal reaction kinetic states. Physical Chemistry Chemical Physics, 2016, 18, 14772-14775. | 2.8 | 10 |
| 42 | Grassy Silica Nanoribbons and Strong Blue Luminescence. Scientific Reports, 2016, 6, 34231. | 3.3 | 6 |
| 43 | Report of Joint Symposium of the Surface Science Society of Japan and the Vacuum Society of Japan (SSVS 2015) and the 35 th Annual Meeting of SSSJ. Hyomen Kagaku, 2016, 37, 139-140. | 0.0 | 0 |
| 44 | Toward the Fusion of Vacuum Science and Surface Science. Hyomen Kagaku, 2016, 37, 287-287. | 0.0 | 0 |
| 45 | High upper critical fields of superconducting Ca ₁₀ (Pt ₄ As ₈)(Fe _{1.8} Pt _{0.2} As ₂) ₅ whiskers. Applied Physics Letters, 2015, 106, 262601. | 3.3 | 4 |
| 46 | Graphene Nucleation Preferentially at Oxygen-Rich Cu Sites Rather Than on Pure Cu Surface. Advanced Materials, 2015, 27, 6404-6410. | 21.0 | 39 |
| 47 | PEEM and Micro PES Study of Graphene Growth on Ni(110) Substrate. E-Journal of Surface Science and Nanotechnology, 2015, 13, 347-351. | 0.4 | 6 |
| 48 | Chemical State Imaging of Li using Scanning Auger Electron Microscopy. Journal of the Vacuum Society of Japan, 2015, 58, 379-386. | 0.3 | 0 |
| 49 | High Temperature <i>in situ</i> NC-AFM, STM and AES Observations of Decomposition and Precipitation Process of Ultrathin SiO ₂ Films on Si(111) Substrates in Ultrahigh Vacuum. Hyomen Kagaku, 2015, 36, 459-464. | 0.0 | 3 |
| 50 | Photocatalytic generation of hydrogen by core-shell WO ₃ /BiVO ₄ nanorods with ultimate water splitting efficiency. Scientific Reports, 2015, 5, 11141. | 3.3 | 464 |
| 51 | An organic jelly made fractal logic gate with an infinite truth table. Scientific Reports, 2015, 5, 11265. | 3.3 | 20 |
| 52 | Atomic species identification at the (101) anatase surface by simultaneous scanning tunnelling and atomic force microscopy. Nature Communications, 2015, 6, 7265. | 12.8 | 49 |
| 53 | Direct visualization of the N impurity state in dilute GaNAs using scanning tunneling microscopy. Nanoscale, 2015, 7, 16773-16780. | 5.6 | 13 |
| 54 | Resonant Oscillation Language of a Futuristic Nano-Machine-Module: Eliminating Cancer Cells & Alzheimer A β Plaques. Current Topics in Medicinal Chemistry, 2015, 15, 534-541. | 2.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Design and Construction of a Brain-Like Computer: A New Class of Frequency-Fractal Computing Using Wireless Communication in a Supramolecular Organic, Inorganic System. Information (Switzerland), 2014, 5, 28-100. | 2.9 | 36 |
| 56 | Characterization of two-dimensional hexagonal boron nitride using scanning electron and scanning helium ion microscopy. Applied Physics Letters, 2014, 104, 031607. | 3.3 | 21 |
| 57 | Focal depth measurement of scanning helium ion microscope. Applied Physics Letters, 2014, 105, 023105. | 3.3 | 8 |
| 58 | Nano Molecular-Platform: A Protocol to Write Energy Transmission Program Inside a Molecule for Bio-Inspired Supramolecular Engineering. Advanced Functional Materials, 2014, 24, 1364-1371. | 14.9 | 15 |
| 59 | Dendrimers: Nano Molecular-Platform: A Protocol to Write Energy Transmission Program Inside a Molecule for Bio-Inspired Supramolecular Engineering (Adv. Funct. Mater. 10/2014). Advanced Functional Materials, 2014, 24, 1338-1338. | 14.9 | 1 |
| 60 | Analytical procedure for experimental quantification of carrier concentration in semiconductor devices by using electric scanning probe microscopy. Measurement Science and Technology, 2014, 25, 044021. | 2.6 | 8 |
| 61 | Ethanol adsorption on rutile TiO ₂ (110). RSC Advances, 2014, 4, 8550. | 3.6 | 19 |
| 62 | Characterization of carrier concentration in CIGS solar cells by scanning capacitance microscopy. Measurement Science and Technology, 2014, 25, 044020. | 2.6 | 12 |
| 63 | Direct mapping of Li distribution in electrochemically lithiated graphite anodes using scanning Auger electron microscopy. Journal of Power Sources, 2014, 248, 1118-1122. | 7.8 | 16 |
| 64 | High aspect ratio AFM Probe processing by helium-ion-beam induced deposition. Microscopy (Oxford,) Tj ETQq0 0 0 ggBT /Overlock 10 T | 1.5 | 4 |
| 65 | Live visualizations of single isolated tubulin protein self-assembly via tunneling current: effect of electromagnetic pumping during spontaneous growth of microtubule. Scientific Reports, 2014, 4, 7303. | 3.3 | 76 |
| 66 | The Joint Annual Symposium of the Vacuum Society of Japan and the Surface Science Society of Japan (SVSSA™ 13) held in Tsukuba. Hyomen Kagaku, 2014, 35, 339-339. | 0.0 | 0 |
| 67 | Atomic water channel controlling remarkable properties of a single brain microtubule: Correlating single protein to its supramolecular assembly. Biosensors and Bioelectronics, 2013, 47, 141-148. | 10.1 | 124 |
| 68 | Multi-level memory-switching properties of a single brain microtubule. Applied Physics Letters, 2013, 102, . | 3.3 | 110 |
| 69 | Chemical-state imaging of Li using scanning Auger electron microscopy. Journal of Electron Spectroscopy and Related Phenomena, 2013, 186, 39-43. | 1.7 | 23 |
| 70 | Challenge to assess the toxic contribution of metal cation released from nanomaterials for nanotoxicology – the case of ZnO nanoparticles. Nanoscale, 2013, 5, 4763. | 5.6 | 42 |
| 71 | Adsorption of phosphorus molecules evaporated from an InP solid source on the Si(100) surface. Physical Review B, 2013, 87, . | 3.2 | 5 |
| 72 | Electron-phonon coupling and defect scatterings in Ar⁺-ion implanted graphite. Journal of the Ceramic Society of Japan, 2013, 121, 291-294. | 1.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Ni nanocrystals on HOPG(0001): A scanning tunnelling microscope study. Beilstein Journal of Nanotechnology, 2013, 4, 406-417. | 2.8 | 6 |
| 74 | Standardization of Scanning Probe Microscopy : Activities of ISO TC201 SC9. Journal of the Japan Society for Precision Engineering, 2013, 79, 213-217. | 0.1 | 0 |
| 75 | Standardization of Data Management and Treatment for Scanning Probe Microscopy. Journal of the Vacuum Society of Japan, 2013, 56, 252-257. | 0.3 | 0 |
| 76 | Standardization of Data Transfer Format for Scanning Probe Microscopy. Journal of Surface Analysis (Online), 2013, 19, 188-194. | 0.1 | 1 |
| 77 | Surface Science Contributing to Radioactive Decontamination and Identification in Environment. Hyomen Kagaku, 2013, 34, 107-107. | 0.0 | 0 |
| 78 | Superhydrophilic TiO ₂ surfaces generated by reactive oxygen treatment. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, . | 2.1 | 13 |
| 79 | Graphene growth on a Pt(111) substrate by surface segregation and precipitation. Nanotechnology, 2012, 23, 055704. | 2.6 | 33 |
| 80 | Potential Toxic Effects of Nano-Oxides. , 2012, , 347-373. | | 1 |
| 81 | Formation of Nano-Bio-Complex as Nanomaterials Dispersed in a Biological Solution for Understanding Nanobiological Interactions. Scientific Reports, 2012, 2, 406. | 3.3 | 76 |
| 82 | Adsorption of Co-Phthalocyanine on the Rutile TiO ₂ (110) Surface: A Scanning Tunneling Microscopy/Spectroscopy Study. Journal of Physical Chemistry C, 2012, 116, 20300-20305. | 3.1 | 38 |
| 83 | On Cellular Automata rules of molecular arrays. Natural Computing, 2012, 11, 311-321. | 3.0 | 6 |
| 84 | Controllable growth of single-layer graphene on a Pd(111) substrate. Carbon, 2012, 50, 1674-1680. | 10.3 | 33 |
| 85 | Biomedicine Applications of Nanomaterials. , 2012, , 565-592. | | 0 |
| 86 | Production of Extended Single-Layer Graphene. ACS Nano, 2011, 5, 1522-1528. | 14.6 | 93 |
| 87 | Formation of monolayer and few-layer hexagonal boron nitride nanosheets via surface segregation. Nanoscale, 2011, 3, 2854. | 5.6 | 65 |
| 88 | Computational Myths and Mysteries That Have Grown Around Microtubule in the Last Half a Century and Their Possible Verification. Journal of Computational and Theoretical Nanoscience, 2011, 8, 509-515. | 0.4 | 5 |
| 89 | Novel Tip Shape Reconstruction Method for Restoration of AFM Topography Images Using Nano-structures with Given Shapes. Analytical Sciences, 2011, 27, 157-161. | 1.6 | 7 |
| 90 | Guest Editorial. Analytical Sciences, 2011, 27, 119-119. | 1.6 | 0 |

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|-----|---|------|-----------|
| 91 | Ultrafast Dynamics of Surface-Enhanced Raman Scattering Due to Au Nanostructures. Nano Letters, 2011, 11, 2648-2654. | 9.1 | 39 |
| 92 | In situ Observation of Surface Reconstruction of Si(001) with Stress/Strain Field Scanning Probe Microscopy. Japanese Journal of Applied Physics, 2011, 50, 08LB04. | 1.5 | 6 |
| 93 | Isotropic photo-decomposition of spherical organic polymers on rutile TiO ₂ (110) surfaces. Nanotechnology, 2011, 22, 155705. | 2.6 | 1 |
| 94 | Nanoscale synthesis and characterization of graphene-based objects. Science and Technology of Advanced Materials, 2011, 12, 044611. | 6.1 | 15 |
| 95 | Electrical Transport Properties Through Nanoscale and Large-Area Contacts of ZnO/Si Diodes. Current Nanoscience, 2010, 6, 219-225. | 1.2 | 4 |
| 96 | Growth of Shape- and Size-Selective Zinc Oxide Nanorods by a Microwave-Assisted Chemical Bath Deposition Method: Effect on Photocatalysis Properties. Chemistry - A European Journal, 2010, 16, 10569-10575. | 3.3 | 49 |
| 97 | Contribution of physicochemical characteristics of nano-oxides to cytotoxicity. Biomaterials, 2010, 31, 8022-8031. | 11.4 | 79 |
| 98 | Preparation of endohedral metallofullerene nanowhiskers and nanosheets. Carbon, 2010, 48, 3359-3363. | 10.3 | 30 |
| 99 | Massively parallel computing on an organic molecular layer. Nature Physics, 2010, 6, 369-375. | 16.7 | 79 |
| 100 | Monitoring electron-beam irradiation effects on graphenes by temporal Auger electron spectroscopy. Nanotechnology, 2010, 21, 265705. | 2.6 | 44 |
| 101 | Silicon adatom switching and manipulation on Si(111)-7 × 7. Nanotechnology, 2010, 21, 045707. | 2.6 | 6 |
| 102 | Au/ITO dual-layer-coated optical fiber probe for multifunctional scanning tunneling microscopy. Nanotechnology, 2010, 21, 045204. | 2.6 | 0 |
| 103 | Auger Electron Spectroscopy: A Rational Method for Determining Thickness of Graphene Films. ACS Nano, 2010, 4, 2937-2945. | 14.6 | 115 |
| 104 | Unique Synthesis of Few-Layer Graphene Films on Carbon-Doped Pt ₈₃ Rh ₁₇ Surfaces. ACS Nano, 2010, 4, 1026-1032. | 14.6 | 27 |
| 105 | A new approach to extract multiple distinct conformers and co-existing distinct electronic properties of a single molecule by point-contact method. Physical Chemistry Chemical Physics, 2010, 12, 2198-2208. | 2.8 | 19 |
| 106 | Molecular Implementations of Cellular Automata. Lecture Notes in Computer Science, 2010, , 650-659. | 1.3 | 5 |
| 107 | Investigating Universal Computability of Conventional Cellular Automata Problems on an Organic Molecular Matrix. Proceedings in Information and Communications Technology, 2010, , 1-12. | 0.2 | 2 |
| 108 | Dynamics of coherent phonons in disordered graphite. , 2010, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Comparison of Standard Nano-Sphere Method and Blind Reconstruction Method for Restoration of Atomic Force Microscopy Topography Images Containing Tip-induced Distortions. Journal of the Vacuum Society of Japan, 2010, 53, 357-360. | 0.3 | 0 |
| 110 | Architecture of a Massively Parallel Processing Nano-Brain Operating 100 Billion Molecular Neurons Simultaneously. International Journal of Nanotechnology and Molecular Computation, 2009, 1, 50-80. | 0.3 | 8 |
| 111 | Smallest artificial molecular neural-net for collective and emergent information processing. Applied Physics Letters, 2009, 95, . | 3.3 | 10 |
| 112 | Modification of surface electronic properties on alloy surfaces: Standing waves on a Cu-9at.% Al(111) surface observed by STM. Physical Review B, 2009, 79, . | 3.2 | 10 |
| 113 | Perspectives and Challenges of Emerging Single-Molecule DNA Sequencing Technologies. Small, 2009, 5, 2638-2649. | 10.0 | 103 |
| 114 | Surface segregation of aluminum atoms on Cu-9at.% Al(111) studied by Auger electron spectroscopy and low energy electron diffraction. Surface Science, 2009, 603, 723-726. | 1.9 | 18 |
| 115 | Ultralong Cadmium Chalcogenide Nanotubes from One-Dimensional Cadmium Hydroxide Nanowire Bundles by Soft Solution Chemistry. Journal of Physical Chemistry C, 2009, 113, 14179-14183. | 3.1 | 21 |
| 116 | Remarkable potential of pattern based computing on an organic molecular layer using the concept of cellular automata. , 2009, , . | | 0 |
| 117 | Reconstruction of atomic force microscopy image by using nanofabricated tip characterizer toward the actual sample surface topography. Review of Scientific Instruments, 2009, 80, 043703. | 1.3 | 28 |
| 118 | Standardization of nanomaterials characterization by scanning probe microscopy for societal acceptance. Journal of Physics: Conference Series, 2009, 159, 012002. | 0.4 | 5 |
| 119 | Improving Accuracy of Sample Surface Topography by Atomic Force Microscopy. Journal of Nanoscience and Nanotechnology, 2009, 9, 6003-6007. | 0.9 | 6 |
| 120 | Surface alloying effects in the growth of Au on Pb(111) thin film. Surface Science, 2008, 602, 3358-3363. | 1.9 | 6 |
| 121 | Deposition and STM characterization of luminescent organic molecules on metal substrates. Thin Solid Films, 2008, 516, 2407-2410. | 1.8 | 5 |
| 122 | Active nanocharacterization of nanofunctional materials by scanning tunneling microscopy. Science and Technology of Advanced Materials, 2008, 9, 013003. | 6.1 | 17 |
| 123 | Covered conduction of individual C ₆₀ nanowhiskers. Nanotechnology, 2008, 19, 075712. | 2.6 | 25 |
| 124 | Unusual mosaic image of the Si(111)-(7 \times 7) surface coinciding with field emission resonance in scanning tunneling microscopy. Physical Review B, 2008, 77, . | 3.2 | 10 |
| 125 | Journal of the Vacuum Society of Japan, 2008, 51, 100-101. | | 0 |
| 126 | Carbon Nanowires Spontaneously Formed on Surface of Freshly Cleaved Highly Ordered Pyrolytic Graphite Wafer. Japanese Journal of Applied Physics, 2007, 46, 5568. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Global standardization of scanning probe microscopy. <i>Nanotechnology</i> , 2007, 18, 084002. | 2.6 | 43 |
| 128 | Offset Charge Distribution in Nanocluster-Based Single-Electron Tunneling Devices. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 0 |
| 129 | Quasi-one-dimensional quantum well on Si(100) surface crafted by using scanning tunneling microscopy tip. <i>Applied Physics Letters</i> , 2006, 88, 203118. | 3.3 | 15 |
| 130 | Fabrication and Characterization of Low-Dimensional Nanostructures using Scanning Tunneling Microscopy. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2006, 49, 653-658. | 0.2 | 0 |
| 131 | èj"é¢æžâ‡°ã«ã,^ã,«æ—°ã—ã,ã,«ãf¼ãfœãf³ãfŠãfŽæ§«éã®ã%µè£½. <i>Materia Japan</i> , 2005, 44, 910-916. | 0.1 | 1 |
| 132 | Tunneling spectroscopy of isolated gold clusters grown on thiol/dithiol mixed self-assembled monolayers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 29, 601-605. | 2.7 | 17 |
| 133 | Growth and characterization of isolated nanoclusters on mixed self-assembled monolayers. <i>Applied Surface Science</i> , 2005, 241, 33-37. | 6.1 | 12 |
| 134 | Comparison between Electron Beam and Near-Field Light on the Luminescence Excitation of GaAs/AlGaAs Semiconductor Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1820-1824. | 1.5 | 3 |
| 135 | Emergence of p(2Å—2) on highly doped n-type Si(100) surfaces: A scanning tunneling microscopy and spectroscopy study. <i>Physical Review B</i> , 2005, 71, . | 3.2 | 33 |
| 136 | Standing waves on Si(100) and Ge(100) surfaces observed by scanning tunneling microscopy. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 24 |
| 137 | Measurement of Au Nanocluster Chemical Potential by the Analysis of Coulomb Staircase. <i>Hyomen Kagaku</i> , 2005, 26, 611-616. | 0.0 | 0 |
| 138 | Phase Manipulation on Si(100) Surfaces and their Ground State Structure. <i>Hyomen Kagaku</i> , 2005, 26, 306-314. | 0.0 | 1 |
| 139 | Scanning Tunneling Microscopy Observation of Electron Standing Waves on Au(111) Film with a Superconducting Tip. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 4687-4690. | 1.5 | 3 |
| 140 | Light emission induced by tunnelling electrons from a p-type GaAs(110) surface observed at near-field by a conductive optical fibre probe. <i>Nanotechnology</i> , 2004, 15, S355-S361. | 2.6 | 14 |
| 141 | Scanning tunnelling microscopy in extreme fields: very low temperature, high magnetic field, and extreme high vacuum. <i>Nanotechnology</i> , 2004, 15, S371-S375. | 2.6 | 20 |
| 142 | Electrochemical potential arrangement of nanoclusters weakly coupled with metal surface. <i>Applied Physics Letters</i> , 2004, 84, 604-606. | 3.3 | 17 |
| 143 | Controlled deposition of single DNA molecules on bare gold electrodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 1098-1101. | 2.7 | 3 |
| 144 | Temperature dependence of the phase manipulation feasibility between c(4Å—2) and p(2Å—2) on the Si(100) surface. <i>Surface Science</i> , 2004, 566-568, 767-771. | 1.9 | 13 |

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|-----|--|-----|-----------|
| 145 | Removal of Si(1 1 1) wafer surface etch pits generated in ammonia-peroxide clean step. Applied Surface Science, 2004, 221, 160-166. | 6.1 | 6 |
| 146 | Light emission induced by tunneling electrons from surface nanostructures observed by novel conductive and transparent probes. Microscopy Research and Technique, 2004, 64, 403-414. | 2.2 | 18 |
| 147 | Effect of Ar ⁺ ion sputtering on the electronic transport of MgB ₂ surface. Thin Solid Films, 2004, 464-465, 61-64. | 1.8 | 1 |
| 148 | Capacitance dependence of chemical potential distribution in supported nanoclusters. Surface Science, 2004, 566-568, 402-405. | 1.9 | 3 |
| 149 | Novel local density of state mapping technique for low-dimensional systems. Journal of Electron Microscopy, 2004, 53, 177-185. | 0.9 | 1 |
| 150 | Active Nano-Characterization and Technology. Nanotechnology, 2004, 15, . | 2.6 | 1 |
| 151 | Phase Manipulation between c(4 $\sqrt{3}$ ×2) and p(2 $\sqrt{3}$ ×2) on the Si(100) Surface at 4.2 K. Physical Review Letters, 2003, 91, 146103. | 7.8 | 83 |
| 152 | AFM observations of self-assembled lambda DNA network on silanized mica. Thin Solid Films, 2003, 438-439, 114-117. | 1.8 | 21 |
| 153 | The fabrication of MgB ₂ superconducting STM tips. Physica C: Superconductivity and Its Applications, 2003, 388-389, 117-118. | 1.2 | 4 |
| 154 | Octanedithiol layer as tunneling barrier. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 249-250. | 2.7 | 7 |
| 155 | Silver Nanostructures Formation on Si(111)-(7 $\sqrt{3}$ ×7) Surfaces by the Tip of a Scanning Tunneling Microscope. Japanese Journal of Applied Physics, 2003, 42, 4773-4776. | 1.5 | 11 |
| 156 | Discovery of Carbon Nanowires Formed on a Carbon-Doped Ni(111) Substrate by a Bulk-to-Surface Precipitation Process. Japanese Journal of Applied Physics, 2003, 42, 1391-1394. | 1.5 | 18 |
| 157 | Precise Scanning Tunneling Microscopy Images of Si(100) Surface Dimers at 4.2 K. Japanese Journal of Applied Physics, 2003, 42, L126-L128. | 1.5 | 8 |
| 158 | Local Density of Electronic States in MgB ₂ Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 2003, 42, 4710-4712. | 1.5 | 0 |
| 159 | Influence of Silicon Surface Structure on Long Deoxyribonucleic Acid Molecule Alignment. Japanese Journal of Applied Physics, 2003, 42, 4748-4751. | 1.5 | 3 |
| 160 | Competitive Surface Growth of Carbon Nanowires and Graphite (0001) Terraces on a C-doped Ni(111) Substrate. Hyomen Kagaku, 2003, 24, 531-537. | 0.0 | 2 |
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