

Tomonobu Nakayama

List of Publications by Year in descending order

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176
papers

6,312
citations

101384

36
h-index

76769

74
g-index

182
all docs

182
docs citations

182
times ranked

6641
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantized conductance atomic switch. Nature, 2005, 433, 47-50.	13.7	1,115
2	Nanometer-scale switches using copper sulfide. Applied Physics Letters, 2003, 82, 3032-3034.	1.5	492
3	Boron Nitride Nanosheet Coatings with Controllable Water Repellency. ACS Nano, 2011, 5, 6507-6515.	7.3	275
4	Learning Abilities Achieved by a Single Solid-State Atomic Switch. Advanced Materials, 2010, 22, 1831-1834.	11.1	274
5	A nonvolatile programmable solid-electrolyte nanometer switch. IEEE Journal of Solid-State Circuits, 2005, 40, 168-176.	3.5	198
6	Macroscopic Superconducting Current through a Silicon Surface Reconstruction with Indium Adatoms: Si_{111}		

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19	Two Dimensional Array of Piezoresistive Nanomechanical Membrane-Type Surface Stress Sensor (MSS) with Improved Sensitivity. <i>Sensors</i> , 2012, 12, 15873-15887.	2.1	66
20	Epitaxially grown WOX nanorod probes for sub-100nm multiple-scanning-probe measurement. <i>Applied Physics Letters</i> , 2006, 88, 254101.	1.5	63
21	Influence of surfactant coverage on epitaxial growth of Ge on Si(001). <i>Physical Review B</i> , 1996, 54, 8600-8604.	1.1	62
22	Molecular Scale Control of Unbound and Bound C ₆₀ for Topochemical Ultradense Data Storage in an Ultrathin C ₆₀ Film. <i>Advanced Materials</i> , 2010, 22, 1622-1625.	11.1	61
23	Ionic/electronic mixed conductor tip of a scanning tunneling microscope as a metal atom source for nanostructuring. <i>Applied Physics Letters</i> , 2002, 80, 4009-4011.	1.5	56
24	Development and Application of Multiple-Probe Scanning Probe Microscopes. <i>Advanced Materials</i> , 2012, 24, 1675-1692.	11.1	56
25	Surfactant-free Fabrication of Fullerene C ₆₀ Nanotubules Under Shear. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8398-8401.	7.2	55
26	Current-Driven Supramolecular Motor with In Situ Surface Chiral Directionality Switching. <i>Nano Letters</i> , 2015, 15, 4793-4798.	4.5	54
27	Weakly bound and strained C ₆₀ monolayer on the Si(111)3 \times 3R30 \times Ag substrate surface. <i>Physical Review B</i> , 1999, 59, 12627-12631.	1.1	48
28	Biatomic Layer-High Steps on Si(001)2 \times 1 Surface. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L280-L282.	0.8	47
29	In situ Surface-Enhanced Infrared Absorption Spectroscopy for the Analysis of the Adsorption and Desorption Process of Au Nanoparticles on the SiO ₂ /Si Surface. <i>Langmuir</i> , 2007, 23, 6119-6125.	1.6	47
30	Enhanced omniphobicity of mullite hollow fiber membrane with organosilane-functionalized TiO ₂ micro-flowers and nanorods layer deposition for desalination using direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020, 607, 118137.	4.1	41
31	Reversible adsorption of Au nanoparticles on SiO ₂ /Si: An in situ ATR-IR study. <i>Surface Science</i> , 2006, 600, L71-L75.	0.8	39
32	Resistive phase transition of the superconducting Si(111)-(7 \times 3)-In surface. <i>Nanoscale Research Letters</i> , 2013, 8, 167.	3.1	39
33	Metallic versus Semiconducting SWCNT Chemiresistors: A Case for Separated SWCNTs Wrapped by a Metallo-supramolecular Polymer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38062-38067.	4.0	39
34	PHOTOINDUCED PRODUCTS IN A C ₆₀ MONOLAYER ON Si(111) ($\sqrt{3} \times \sqrt{3}$) Ag: AN STM STUDY. <i>Surface Review and Letters</i> , 1999, 06, 1073-1078.	0.5	38
35	Control of Photodynamic Motions of Azobenzene Derivative Polymers by Laser Excitation Wavelength. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1753-1763.	1.1	37
36	Topological Properties of Neuromorphic Nanowire Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 184.	1.4	37

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37	Structural and Cohesive Properties of a C ₆₀ Monolayer. <i>Physical Review Letters</i> , 2001, 87, 048301.	2.9	36
38	Self-Assembled Molecular Nanowires of 6,13-Bis(methylthio)pentacene: Growth, Electrical Properties, and Applications. <i>Nano Letters</i> , 2008, 8, 3273-3277.	4.5	36
39	Switching Property of Atomic Switch Controlled by Solid Electrochemical Reaction. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L364-L366.	0.8	35
40	Reversibility-Controlled Single Molecular Level Chemical Reaction in a C ₆₀ Monolayer via Ionization Induced by Scanning Transmission Microscopy. <i>Small</i> , 2008, 4, 538-541.	5.2	35
41	The electron transport properties of photo- and electron-beam-irradiated C ₆₀ films. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 343-348.	1.9	34
42	Controlled Modification of Superconductivity in Epitaxial Atomic Layer-Organic Molecule Heterostructures. <i>Nano Letters</i> , 2017, 17, 2287-2293.	4.5	34
43	Monolayer and Bilayer High Steps on Si(001)2 \times 1 Vicinal Surface. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L1186-L1188.	0.8	33
44	Mechanism of epitaxial growth of monolayer CaF on Si(111)-(7 \times 7). <i>Physical Review Letters</i> , 1994, 72, 1718-1721.	2.9	33
45	What is inside carbon nanohorn aggregates?. <i>Carbon</i> , 2011, 49, 2074-2078.	5.4	32
46	Electrical properties of a two-dimensionally hexagonal C ₆₀ photopolymer. <i>Journal of Applied Physics</i> , 2004, 96, 443-445.	1.1	31
47	Structural Correlation among Different Phases in the Initial Stage of Epitaxial Growth of Au on Si(111). <i>Japanese Journal of Applied Physics</i> , 1994, 33, 3688-3695.	0.8	30
48	Carbon nanotube tip for scanning tunneling microscopy. <i>Physica B: Condensed Matter</i> , 2002, 323, 153-155.	1.3	30
49	Information dynamics in neuromorphic nanowire networks. <i>Scientific Reports</i> , 2021, 11, 13047.	1.6	30
50	Atomic scale modifications of hydrogen-terminated silicon 2 \times 1 and 3 \times 1 (001) surfaces by scanning tunneling microscope. <i>Surface Science</i> , 1998, 411, 203-214.	0.8	29
51	Temperature suppression of STM-induced desorption of hydrogen on Si(100) surfaces. <i>Surface Science</i> , 1999, 424, L329-L334.	0.8	29
52	Self-Alignment of Co Adatoms on In Atomic Wires by Quasi-One-Dimensional Electron-Gas-Mediated Interactions. <i>Physical Review Letters</i> , 2008, 101, 146104.	2.9	29
53	Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. <i>Advanced Functional Materials</i> , 2020, 30, 2003679.	7.8	28
54	Fabrication and electron-beam-induced polymerization of C ₆₀ nanoribbon. <i>Thin Solid Films</i> , 2004, 464-465, 327-330.	0.8	27

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55	Direct Growth of Germanene at Interfaces between Van der Waals Materials and Ag(111). <i>Advanced Functional Materials</i> , 2021, 31, 2007038.	7.8	27
56	Nanojunction between Fullerene and One-Dimensional Conductive Polymer on Solid Surfaces. <i>ACS Nano</i> , 2014, 8, 12259-12264.	7.3	25
57	Atomically resolved structure of ligand-protected Au ₉ clusters on TiO ₂ nanosheets using aberration-corrected STEM. <i>Journal of Chemical Physics</i> , 2016, 144, 114703.	1.2	25
58	Associative routing through neuromorphic nanowire networks. <i>AIP Advances</i> , 2020, 10, .	0.6	25
59	Platinum nanodot formation by atomic point contact with a scanning tunneling microscope platinum tip. <i>Applied Physics Letters</i> , 1998, 73, 3360-3362.	1.5	24
60	Disappearance of the quasi-one-dimensional plasmon at the metal-insulator phase transition of indium atomic wires. <i>Physical Review B</i> , 2008, 77, .	1.1	24
61	Encapsulated Inorganic Nanostructures: A Route to Sizable Modulated, Noncovalent, On-Tube Potentials in Carbon Nanotubes. <i>ACS Nano</i> , 2011, 5, 2559-2569.	7.3	24
62	Improved electrical conductance through self-assembly of bioinspired peptides into nanoscale fibers. <i>Materials Chemistry and Physics</i> , 2015, 158, 52-59.	2.0	24
63	Epitaxial growth of W ₂ O ₃ nanorod array on W(001). <i>Science and Technology of Advanced Materials</i> , 2004, 5, 647-649.	2.8	23
64	Functionalized carbon nanotubes for pH sensors based on SERS. <i>Journal of Materials Chemistry</i> , 2008, 18, 4759.	6.7	23
65	One-Dimensional Surface Reconstruction as an Atomic-Scale Template for the Growth of Periodically Striped Ag Films. <i>Physical Review Letters</i> , 2006, 96, 136104.	2.9	22
66	One-dimensional Schottky contact between ErSi ₂ nanowire and Si(001). <i>Applied Physics Letters</i> , 2006, 88, 233117.	1.5	22
67	Material dependence of switching speed of atomic switches made from silver sulfide and from copper sulfide. <i>Journal of Physics: Conference Series</i> , 2007, 61, 1157-1161.	0.3	21
68	Molecular-Scale Size Tuning of Covalently Bound Assembly of C ₆₀ Molecules. <i>ACS Nano</i> , 2011, 5, 7830-7837.	7.3	21
69	Heterogrowth of Ge on the Si(001)2 × 1 reconstructed surface. <i>Surface Science</i> , 1992, 273, 9-20.	0.8	20
70	Functionalization of carbon nanotubes with a pH-responsive molecule to produce a pH sensor. <i>Nanotechnology</i> , 2009, 20, 325501.	1.3	20
71	A quadruple-scanning-probe force microscope for electrical property measurements of microscopic materials. <i>Nanotechnology</i> , 2011, 22, 285205.	1.3	20
72	Reservoir Computing with Neuromemristive Nanowire Networks. , 2020, , .		20

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73	He/Ar-atom scattering from molecular monolayers: C ₆₀ /Pt(111) and graphene/Pt(111). <i>Journal of Physics Condensed Matter</i> , 2010, 22, 304010.	0.7	19
74	Double-Side-Coated Nanomechanical Membrane-Type Surface Stress Sensor (MSS) for One-Chip One-Channel Setup. <i>Langmuir</i> , 2013, 29, 7551-7556.	1.6	19
75	Highly Ordered Cobalt Phthalocyanine Chains on Fractional Atomic Steps: One-Dimensionality and Electron Hybridization. <i>ACS Nano</i> , 2013, 7, 1317-1323.	7.3	19
76	Aggregation Behavior of Ligand-Protected Au ₉ Clusters on Sputtered Atomic Layer Deposition TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 10781-10789.	1.5	19
77	High Yielding Fabrication of Magnetically Responsive Coiled Single-Walled Carbon Nanotube under Flow. <i>ACS Applied Nano Materials</i> , 2019, 2, 5282-5289.	2.4	18
78	Local modification of hydrogen-terminated silicon surfaces by clean and hydrogen-covered STM tips. <i>Surface Science</i> , 1997, 386, 154-160.	0.8	17
79	A Method for Combinatorial Fabrication and Characterization of Organic/Inorganic Thin Film Devices in UHV. <i>ACS Combinatorial Science</i> , 2006, 8, 275-279.	3.3	17
80	Angled long tip to tuning fork probes for atomic force microscopy in various environments. <i>Review of Scientific Instruments</i> , 2011, 82, 043701.	0.6	17
81	Grouping and aggregation of ligand protected Au ₉ clusters on TiO ₂ nanosheets. <i>RSC Advances</i> , 2016, 6, 110765-110774.	1.7	17
82	Direct fabrication of high-resolution and high-performance flexible electronics via surface-activation-localized electroless plating. <i>Chemical Engineering Journal</i> , 2021, 416, 127644.	6.6	17
83	Neuromorphic nanowire networks: principles, progress and future prospects for neuro-inspired information processing. <i>Advances in Physics: X</i> , 2021, 6, .	1.5	17
84	Extraction, deposition, and displacement of atoms by STM. <i>Microelectronic Engineering</i> , 1996, 32, 191-201.	1.1	16
85	Atomic scale extraction of hydrogen atoms adsorbed on Si(001) with the scanning tunneling microscope. <i>Applied Surface Science</i> , 1997, 121-122, 107-110.	3.1	16
86	Nanoscale Control of Reversible Chemical Reaction Between Fullerene C ₆₀ Molecules Using Scanning Tunneling Microscope. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2829-2835.	0.9	16
87	Scanning tunneling microscopy and spectroscopy of electron-irradiated thin films of C ₆₀ molecules. <i>Carbon</i> , 2011, 49, 1829-1833.	5.4	16
88	Structure and stability of the out-of-phase boundary in a surface superlattice, Si(111)- $\sqrt{3} \times \sqrt{3} R30^\circ$ -Ag. <i>Surface Science</i> , 1995, 344, 143-148.	0.8	15
89	Spatially resolved observation of Coulomb blockade and negative differential conductance on a Ag cluster on the clean GaAs(110) surface. <i>Applied Physics Letters</i> , 1999, 74, 1716-1718.	1.5	14
90	Low resistivity of Pt silicide nanowires measured using double-scanning-probe tunneling microscope. <i>Applied Physics Letters</i> , 2008, 92, 203114.	1.5	14

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91	Direct manipulation of intracellular stress fibres using a hook-shaped AFM probe. <i>Nanotechnology</i> , 2010, 21, 385102.	1.3	14
92	Fabrication of nanostructures by selective growth of C60 and Si on Si(111) substrate. <i>Surface Science</i> , 2006, 600, 2810-2816.	0.8	13
93	Irreversible and Reversible Structural Deformation and Electromechanical Behavior of Carbon Nanohorns Probed by Conductive AFM. <i>Small</i> , 2011, 7, 1169-1174.	5.2	13
94	A Single-Dipole Model of Surface Relief Grating Formation on Azobenzene Polymer Films. <i>Langmuir</i> , 2008, 24, 4260-4264.	1.6	12
95	Multiple-scanning-probe tunneling microscope with nanoscale positional recognition function. <i>Review of Scientific Instruments</i> , 2010, 81, 073706.	0.6	12
96	In situ, controlled and reproducible attachment of carbon nanotubes onto conductive AFM tips. <i>Applied Surface Science</i> , 2015, 335, 11-16.	3.1	12
97	Mechanisms of electron transport through bellows-shaped fullerene tubes. <i>Journal of Chemical Physics</i> , 2005, 122, 074702.	1.2	11
98	In-Situ Electrical Addressing of One-Dimensional Gold Nanoparticle Assemblies. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 461-465.	0.9	11
99	Nanostencil-Fabricated Electrodes for Electron Transport Measurements of Atomically Thin Nanowires in Ultrahigh Vacuum. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1797-1799.	0.8	11
100	Tip-induced Electron Occupation of an Unoccupied Surface State in Scanning Tunneling Microscopy Imaging of a GaAs(110) Surface with Ag Clusters. <i>Japanese Journal of Applied Physics</i> , 1997, 36, L1336-L1339.	0.8	10
101	Creation and consumption of free Si atoms at the growth front of a CaF monolayer on Si(111)7 \times 7. <i>Physical Review B</i> , 1998, 57, 1855-1859.	1.1	10
102	Strong linear polarization in scanning tunneling microscopy-induced luminescence from porous silicon. <i>Applied Physics Letters</i> , 1999, 74, 3842-3844.	1.5	10
103	Effect of 90 deg ferroelastic twin walls on lattice dynamics of nanocrystalline tetragonal ferroelectric perovskites. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 86, 101-106.	1.1	10
104	Stable molecular orientations of a C60 dimer in a photoinduced dimer row. <i>Carbon</i> , 2007, 45, 1261-1266.	5.4	10
105	Optically monitored wet-chemical preparation of SEIRA active Au nanostructures. <i>Surface and Interface Analysis</i> , 2008, 40, 1681-1683.	0.8	10
106	The excitation of one-dimensional plasmons in Si and Au-Si complex atom wires. <i>Nanotechnology</i> , 2008, 19, 355204.	1.3	10
107	Initial stage of adsorption of octithiophene molecules on Cu(111). <i>Surface Science</i> , 2011, 605, 1021-1026.	0.8	10
108	Sleep-Dependent Memory Consolidation in a Neuromorphic Nanowire Network. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50573-50580.	4.0	10

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109	Dual Surface Architectonics for Directed Self-Assembly of Ultrahigh-Resolution Electronics. <i>Small</i> , 2021, 17, e2101754.	5.2	10
110	Structural characterisation of gold nanowire arrays. <i>Journal of Crystal Growth</i> , 2008, 311, 194-199.	0.7	9
111	Ultrahigh-density data storage into thin films of fullerene molecules. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 1102B4.	0.8	9
112	Emergent brain-like complexity from nanowire atomic switch networks: Towards neuromorphic synthetic intelligence. , 2018, , .		9
113	Harnessing adaptive dynamics in neuro-memristive nanowire networks for transfer learning. , 2020, , .		9
114	Neuromorphic Information Processing with Nanowire Networks. , 2020, , .		9
115	Self-Organizing, Environmentally Stable, and Low-Cost Copper-Nickel Complex Inks for Printed Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8146-8156.	4.0	9
116	Spin-polarized electron tunneling detected using a scanning tunneling microscope. <i>Surface Science</i> , 1997, 386, 311-314.	0.8	8
117	<i>In Situ</i> FTIR, XPS, and STM Studies of the Nano-Structure of a Photopolymerized C ₆₀ Film. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 689-694.	0.3	8
118	Precisely Controlled Fabrication of a Highly Sensitive Au Sensor Film for Surface Enhanced Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L1222-L1224.	0.8	8
119	Multiple-probe scanning probe microscopes for nanoarchitectonic materials science. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 1102A7.	0.8	8
120	Electronic Structures of Quaterthiophene and Septithiophene on Cu(111): Spatial Distribution of Adsorption-Induced States Studied by STM and DFT Calculation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6681-6688.	1.5	8
121	Clean superconducting In nanowires encapsulated within insulating ZnS nanotubes. <i>Applied Physics Letters</i> , 2009, 94, 053108.	1.5	7
122	Local modification of NaCl thin films on Cu(111) under different bias voltages. <i>Thin Solid Films</i> , 2012, 520, 2004-2008.	0.8	7
123	Atomic motion induced by a scanning tunneling microscope tip on the Si(111) surface. <i>Surface Science</i> , 1994, 320, L101-L104.	0.8	6
124	Edge enhancement of light emission from Au particles induced by an STM. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 234, 396-400.	0.9	6
125	Intensity and polarization switching behaviors of light emission induced with a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1998, 73, 2269-2271.	1.5	6
126	Absorption Wavelength Dependent Photodynamic Motions in Donor-Acceptor Type of Azobenzene Polymer Films. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L169-L171.	0.8	6

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127	Substrate Dependent Low-Temperature Growth of Thin Ag Films: Study on Si(111)â€™In Surfaces. Japanese Journal of Applied Physics, 2007, 46, 5975-5980.	0.8	6
128	Two-Step Desorption Process of Au Nanoparticles in D2O Suspension on Amino-Terminated SiO2/Si Substrate Induced by Small Thiol Molecules. Japanese Journal of Applied Physics, 2007, 46, 3020-3023.	0.8	6
129	Strong electron confinement by stacking-fault-induced fractional steps on Ag(111) surfaces. Physical Review B, 2010, 82, .	1.1	6
130	One-dimensional surface states on a striped Ag thin film with stacking fault arrays. Physical Review B, 2011, 84, .	1.1	6
131	Phase-operation for conduction electron by atomic-scale scattering via single point-defect. Applied Physics Letters, 2014, 104, .	1.5	6
132	Controlling molecular condensation/diffusion of copper phthalocyanine by local electric field induced with scanning tunneling microscope tip. Japanese Journal of Applied Physics, 2018, 57, 020301.	0.8	6
133	Segregation of metallic germanium atoms at the graphene/metal interface toward germanene growth. Japanese Journal of Applied Physics, 2020, 59, SN1004.	0.8	6
134	Three Distinct Terraces on a Î²-(ET)2I3 Surface Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1999, 38, L464-L466.	0.8	5
135	First-principles electronic structure calculations for peanut-shaped C120 molecules. Science and Technology of Advanced Materials, 2004, 5, 617-620.	2.8	5
136	First-principles study on electronic responses of a C60 molecule to external electric fields. Chemical Physics, 2007, 342, 135-140.	0.9	5
137	Enhanced spin contrast of epitaxial Mn films on Fe(100) by spin-polarized scanning tunneling microscopy. Applied Physics Letters, 2011, 98, 123106.	1.5	5
138	Organic Memristive Devices Based on Squaraine Nanowires. ACS Applied Electronic Materials, 2020, 2, 3088-3092.	2.0	5
139	Surface and interface structural control using coaxial impact-collision ion scattering spectroscopy (CAICISS). Nuclear Instruments & Methods in Physics Research B, 1995, 99, 598-601.	0.6	4
140	Luminescence from the transition metal iron induced with a scanning tunneling microscope. Surface Science, 1998, 415, L1032-L1036.	0.8	4
141	Temperature-Dependent Growth of Smooth DNA Film. Japanese Journal of Applied Physics, 2006, 45, 5183-5185.	0.8	4
142	Self-assembled honeycomb lattice in the monolayer of cyclic thiazyl diradical BDTDA (=â€™4,4â€™-bis(1,2,3,5-dithiadiazolyl)) on Cu(111) with a zero-bias tunneling spectra anomaly. Scientific Reports, 2015, 5, 18359.	1.6	4
143	Local dimerization and dedimerization of C60 molecules under a tip of scanning tunneling microscope: A first-principles study. Carbon, 2020, 159, 638-647.	5.4	4
144	Analysis of STM Images after Atom Extractions from the Si(111) 7 Å– 7 Unit Cell through a Cluster Model. Journal of Physical Chemistry B, 1997, 101, 9570-9573.	1.2	3

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145	CBE growth of GaN on GaAs(001) and (111)B substrates using monomethylhydrazine. Journal of Crystal Growth, 2000, 209, 373-377.	0.7	3
146	Plasmon confinement in atomically thin and flat metallic films. , 2007, , .		3
147	Optimization of Interface Resistance between Carbon Nanotubes and Probe-Shaped Titanium Wire. Japanese Journal of Applied Physics, 2010, 49, 035002.	0.8	3
148	Anisotropic structural modulation of epitaxial Au(111) thin films on striped Ag substrates. Physical Review B, 2010, 81, .	1.1	3
149	Resistance of single polyaniline fibers and their junctions measured by double-probe atomic force microscopy. Japanese Journal of Applied Physics, 2016, 55, 08NB09.	0.8	3
150	Observation of lateral band-bending in the edge vicinity of atomically-thin Bi insulating film formed on Si(111) surface. Surface Science, 2016, 644, 41-45.	0.8	3
151	Electron-beam irradiation of photopolymerized C60 film studied using <i>in situ</i> scanning tunneling microscope, <i>in situ</i> Fourier-transform infrared spectroscopy, and first-principles calculations. AIP Advances, 2020, 10, .	0.6	3
152	Anomalous electron tunneling through a Ag island on the GaAs(110) surface observed by the current image tunneling spectroscopy (CITS). Applied Surface Science, 1998, 123-124, 166-170.	3.1	2
153	Scanning Tunneling Microscope Study of a Local Electronic State Surrounding Mn Nanoclusters on Graphite. Japanese Journal of Applied Physics, 2006, 45, L469-L471.	0.8	2
154	Octithiophene on Cu(111) and Au(111): Formation and Electronic Structure of Molecular Chains and Films. Journal of Nanoscience and Nanotechnology, 2012, 12, 4007-4011.	0.9	2
155	Locality and lateral modulations of quantum well states in Ag(100) thin films studied using a scanning tunneling microscope. Surface Science, 2015, 637-638, 58-62.	0.8	2
156	Observation of room temperature electronic localization through a single graphene layer on sapphire. Japanese Journal of Applied Physics, 2019, 58, 055007.	0.8	2
157	Local electronic structure of a quantum point contact observed with STM. Physical Review B, 2006, 74, .	1.1	1
158	Epitaxial growth of WO ₃ nanorods on single-crystal tungsten substrate. Electronics and Communications in Japan, 2008, 91, 20-24.	0.3	1
159	Modification of the surface-state occupancy on noble metal films with stacking fault arrays. Applied Physics Letters, 2012, 100, 141609.	1.5	1
160	Excitation spectrum of Josephson vortices on surface superconductor. Journal of Physics: Conference Series, 2014, 568, 022022.	0.3	1
161	Impact of Surface Conditions on the Superconductivity of Si(111)-($\sqrt{7} \times \sqrt{7}$) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	0.1	1
162	Mechanism of field-induced manipulation of Cu-phthalocyanines on a Bi surface using scanning tunneling microscope. Journal of Molecular Structure, 2019, 1181, 563-567.	1.8	1

