

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	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
2	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
3	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
4	Neuromorphic nanowire networks: principles, progress and future prospects for neuro-inspired information processing. <i>Advances in Physics: X</i> , 2021, 6, .	1.5	17
5	Dual Surface Architectonics for Directed Self-Assembly of Ultrahigh-Resolution Electronics. <i>Small</i> , 2021, 17, e2101754.	5.2	10
6	Avalanches and edge-of-chaos learning in neuromorphic nanowire networks. <i>Nature Communications</i> , 2021, 12, 4008.	5.8	91
7	Information dynamics in neuromorphic nanowire networks. <i>Scientific Reports</i> , 2021, 11, 13047.	1.6	30
8	Local dimerization and dedimerization of C60 molecules under a tip of scanning tunneling microscope: A first-principles study. <i>Carbon</i> , 2020, 159, 638-647.	5.4	4
9	Reservoir Computing with Neuromemristive Nanowire Networks. , 2020, , .		20
10	Organic Memristive Devices Based on Squaraine Nanowires. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3088-3092.	2.0	5
11	Sub-monolayer Au ₉ cluster formation via pulsed nozzle cluster deposition. <i>Nanoscale Advances</i> , 2020, 2, 4051-4061.	2.2	1
12	Sleep-Dependent Memory Consolidation in a Neuromorphic Nanowire Network. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50573-50580.	4.0	10
13	Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. <i>Advanced Functional Materials</i> , 2020, 30, 2003679.	7.8	28
14	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. <i>AIP Advances</i> , 2020, 10, .	0.6	3
15	Topological Properties of Neuromorphic Nanowire Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 184.	1.4	37
16	Segregation of metallic germanium atoms at the graphene/metal interface toward germanene growth. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SN1004.	0.8	6
17	Raman intensity oscillation of graphene over SiO ₂ /Si micro-cavity. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 028001.	0.8	1
18	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

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19	Associative routing through neuromorphic nanowire networks. AIP Advances, 2020, 10, .	0.6	25
20	Harnessing adaptive dynamics in neuro-memristive nanowire networks for transfer learning. , 2020, , .		9
21	Neuromorphic Information Processing with Nanowire Networks. , 2020, , .		9
22	High Yielding Fabrication of Magnetically Responsive Coiled Single-Walled Carbon Nanotube under Flow. ACS Applied Nano Materials, 2019, 2, 5282-5289.	2.4	18
23	Emergent dynamics of neuromorphic nanowire networks. Scientific Reports, 2019, 9, 14920.	1.6	93
24	Observation of room temperature electronic localization through a single graphene layer on sapphire. Japanese Journal of Applied Physics, 2019, 58, 055007.	0.8	2
25	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
26	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
27	Emergent brain-like complexity from nanowire atomic switch networks: Towards neuromorphic synthetic intelligence. , 2018, , .		9
28	Aggregation Behavior of Ligand-Protected Au ₉ Clusters on Sputtered Atomic Layer Deposition TiO ₂ . Journal of Physical Chemistry C, 2017, 121, 10781-10789.	1.5	19
29	Controlled Modification of Superconductivity in Epitaxial Atomic Layer“Organic Molecule Heterostructures. Nano Letters, 2017, 17, 2287-2293.	4.5	34
30	Surfactant-free Fabrication of Fullerene C ₆₀ Nanotubules Under Shear. Angewandte Chemie - International Edition, 2017, 56, 8398-8401.	7.2	55
31	Metallic versus Semiconducting SWCNT Chemiresistors: A Case for Separated SWCNTs Wrapped by a Metallosupramolecular Polymer. ACS Applied Materials & Interfaces, 2017, 9, 38062-38067.	4.0	39
32	Ultrahigh-density data storage into thin films of fullerene molecules. Japanese Journal of Applied Physics, 2016, 55, 1102B4.	0.8	9
33	Atomically resolved structure of ligand-protected Au ₉ clusters on TiO ₂ nanosheets using aberration-corrected STEM. Journal of Chemical Physics, 2016, 144, 114703.	1.2	25
34	Multiple-probe scanning probe microscopes for nanoarchitectonic materials science. Japanese Journal of Applied Physics, 2016, 55, 1102A7.	0.8	8
35	Grouping and aggregation of ligand protected Au ₉ clusters on TiO ₂ nanosheets. RSC Advances, 2016, 6, 110765-110774.	1.7	17
36	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

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37	Electronic Structures of Quaterthiophene and Septithiophene on Cu(111): Spatial Distribution of Adsorption-Induced States Studied by STM and DFT Calculation. Journal of Physical Chemistry C, 2016, 120, 6681-6688.	1.5	8
38	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
39	Self-assembled honeycomb lattice in the monolayer of cyclic thiazyl diradical BDTDA (=â€²-bis(1,2,3,5-dithiadiazolyl)) on Cu(111) with a zero-bias tunneling spectra anomaly. Scientific Reports, 2015, 5, 18359.	1.6	4
40	Impact of Surface Conditions on the Superconductivity of Si(111)-($\sqrt{7} \times \sqrt{7}$) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 292 Td (stretchy="false")</mml:mo></mml:math>	0.1	1
41	In situ, controlled and reproducible attachment of carbon nanotubes onto conductive AFM tips. Applied Surface Science, 2015, 335, 11-16.	3.1	12
42	Current-Driven Supramolecular Motor with In Situ Surface Chiral Directionality Switching. Nano Letters, 2015, 15, 4793-4798.	4.5	54
43	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
44	Improved electrical conductance through self-assembly of bioinspired peptides into nanoscale fibers. Materials Chemistry and Physics, 2015, 158, 52-59.	2.0	24
45	Excitation spectrum of Josephson vortices on surface superconductor. Journal of Physics: Conference Series, 2014, 568, 022022.	0.3	1
46	Nanojunction between Fullerene and One-Dimensional Conductive Polymer on Solid Surfaces. ACS Nano, 2014, 8, 12259-12264.	7.3	25
47	Phase-operation for conduction electron by atomic-scale scattering via single point-defect. Applied Physics Letters, 2014, 104, . Imaging Josephson Vortices on the Surface Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mi>Si</mml:mi><mml:mo></mml:mo><mml:mn>111</mml:mn><mml:mo>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 292 Td (stretchy="false")</mml:mo></mml:mrow></mml:mrow></mml:math>	1.5	6
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#	ARTICLE	IF	CITATIONS
55	Octithiophene on Cu(111) and Au(111): Formation and Electronic Structure of Molecular Chains and Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4007-4011.	0.9	2
56	Multilayer Silicene Nanoribbons. <i>Nano Letters</i> , 2012, 12, 5500-5503.	4.5	151
57	Nonwetting behavior of C_{60} and C_{70} on graphene coatings. , 2012, , .		0
58	A comprehensive analysis of the CVD growth of boron nitride nanotubes. <i>Nanotechnology</i> , 2012, 23, 215601.	1.3	88
59	Facile synthesis of vertically aligned hexagonal boron nitride nanosheets hybridized with graphitic domains. <i>Journal of Materials Chemistry</i> , 2012, 22, 4818.	6.7	81
60	Higher cell stiffness indicating lower metastatic potential in B16 melanoma cell variants and in α -epigallocatechin gallate-treated cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 859-866.	1.2	101
61	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
62	Development and Application of Multiple-Probe Scanning Probe Microscopes. <i>Advanced Materials</i> , 2012, 24, 1675-1692.	11.1	56
63	Molecular-Scale Size Tuning of Covalently Bound Assembly of C60 Molecules. <i>ACS Nano</i> , 2011, 5, 7830-7837.	7.3	21
64	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
65	Macroscopic Superconducting Current through a Silicon Surface Reconstruction with Indium Adatoms: $\langle \text{Si} \rangle_{111}$		

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73	Initial stage of adsorption of octithiophene molecules on Cu(111). <i>Surface Science</i> , 2011, 605, 1021-1026.	0.8	10
74	A quadruple-scanning-probe force microscope for electrical property measurements of microscopic materials. <i>Nanotechnology</i> , 2011, 22, 285205.	1.3	20
75	One-dimensional surface states on a striped Ag thin film with stacking fault arrays. <i>Physical Review B</i> , 2011, 84, .	1.1	6
76	Enhanced spin contrast of epitaxial Mn films on Fe(100) by spin-polarized scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2011, 98, 123106.	1.5	5
77	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
78	Learning Abilities Achieved by a Single Solid-State Atomic Switch. <i>Advanced Materials</i> , 2010, 22, 1831-1834.	11.1	274
79	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
80	Multiple-scanning-probe tunneling microscope with nanoscale positional recognition function. <i>Review of Scientific Instruments</i> , 2010, 81, 073706.	0.6	12
81	Strong electron confinement by stacking-fault-induced fractional steps on Ag(111) surfaces. <i>Physical Review B</i> , 2010, 82, .	1.1	6
82	Direct manipulation of intracellular stress fibres using a hook-shaped AFM probe. <i>Nanotechnology</i> , 2010, 21, 385102.	1.3	14
83	Optimization of Interface Resistance between Carbon Nanotubes and Probe-Shaped Titanium Wire. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 035002.	0.8	3
84	Anisotropic structural modulation of epitaxial Au(111) thin films on striped Ag substrates. <i>Physical Review B</i> , 2010, 81, .	1.1	3
85	Nanoscale control of unbound and bound states of fullerene C ₆₀ molecules for ultradense data storage. , 2010, , .		0
86	Clean superconducting In nanowires encapsulated within insulating ZnS nanotubes. <i>Applied Physics Letters</i> , 2009, 94, 053108.	1.5	7
87	Functionalization of carbon nanotubes with a pH-responsive molecule to produce a pH sensor. <i>Nanotechnology</i> , 2009, 20, 325501.	1.3	20
88	First-Principles Study on Electric and Electronic Properties of P-Introduced Si Monatomic Chains. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 2635-2639.	0.4	0
89	Optically monitored wet-chemical preparation of SEIRA active Au nanostructures. <i>Surface and Interface Analysis</i> , 2008, 40, 1681-1683.	0.8	10
90	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

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91	Epitaxial growth of WO ₃ nanorods on single-crystal tungsten substrate. Electronics and Communications in Japan, 2008, 91, 20-24.	0.3	1
92	Structural characterisation of gold nanowire arrays. Journal of Crystal Growth, 2008, 311, 194-199.	0.7	9
93	Electronic Structure of Ultrathin Bismuth Films with A7 and Black-Phosphorus-like Structures. Journal of the Physical Society of Japan, 2008, 77, 014701.	0.7	73
94	Functionalized carbon nanotubes for pH sensors based on SERS. Journal of Materials Chemistry, 2008, 18, 4759.	6.7	23
95	Self-Assembled Molecular Nanowires of 6,13-Bis(methylthio)pentacene: Growth, Electrical Properties, and Applications. Nano Letters, 2008, 8, 3273-3277.	4.5	36
96	A Single-Dipole Model of Surface Relief Grating Formation on Azobenzene Polymer Films. Langmuir, 2008, 24, 4260-4264.	1.6	12
97	Integration of individual nanoscale structures into devices using dynamic nanostenciling. , 2008, , .		0
98	The excitation of one-dimensional plasmons in Si and Au-Si complex atom wires. Nanotechnology, 2008, 19, 355204.	1.3	10
99	In-Situ Electrical Addressing of One-Dimensional Gold Nanoparticle Assemblies. Journal of Nanoscience and Nanotechnology, 2008, 8, 461-465.	0.9	11
100	Nanostencil-Fabricated Electrodes for Electron Transport Measurements of Atomically Thin Nanowires in Ultrahigh Vacuum. Japanese Journal of Applied Physics, 2008, 47, 1797-1799.	0.8	11
101	Low resistivity of Pt silicide nanowires measured using double-scanning-probe tunneling microscope. Applied Physics Letters, 2008, 92, 203114.	1.5	14
102	Disappearance of the quasi-one-dimensional plasmon at the metal-insulator phase transition of indium atomic wires. Physical Review B, 2008, 77, .	1.1	24
103	Self-Alignment of Co Adatoms on In Atomic Wires by Quasi-One-Dimensional Electron-Gas-Mediated Interactions. Physical Review Letters, 2008, 101, 146104.	2.9	29
104	èµ°æŸ»āfžāf«āfāf—āfāf¼āf—é¼ā¾é¼ā, 'ā¼žāāŸāfŠāfŽāf~ā,āfāf¼āé»æ°—è¼¼,é€ç%o¼æ€Sè~æ,¼. Journal of the Vacuum Society		
105	Precisely Controlled Fabrication of a Highly Sensitive Au Sensor Film for Surface Enhanced Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, L1222-L1224.	0.8	8
106	Substrate Dependent Low-Temperature Growth of Thin Ag Films: Study on Si(111)-In Surfaces. Japanese Journal of Applied Physics, 2007, 46, 5975-5980.	0.8	6
107	Two-Step Desorption Process of Au Nanoparticles in D2O Suspension on Amino-Terminated SiO ₂ /Si Substrate Induced by Small Thiol Molecules. Japanese Journal of Applied Physics, 2007, 46, 3020-3023.	0.8	6
108	Plasmon confinement in atomically thin and flat metallic films. , 2007, , .		3

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109	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
110	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
111	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
112	Stable molecular orientations of a C ₆₀ dimer in a photoinduced dimer row. <i>Carbon</i> , 2007, 45, 1261-1266.	5.4	10
113	First-principles study on electronic responses of a C ₆₀ molecule to external electric fields. <i>Chemical Physics</i> , 2007, 342, 135-140.	0.9	5
114	Origin of flat morphology and high crystallinity of ultrathin bismuth films. <i>Surface Science</i> , 2007, 601, 3593-3600.	0.8	79
115	Nanoscale Positional Recognition of Multiple Probes of a Multiple-Scanning-Probe Microscope. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 1314-1319.	0.1	1
116	Epitaxial Growth of WO _x Nanorod on Single Crystal Tungsten Substrate. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 1320-1323.	0.1	0
117	Adsorption and Desorption of Au Nanoparticles Monitored by Infrared Spectroscopy. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2007, 127, 2171-2174.	0.1	0
118	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
119	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
120	Bias dependence of STM profiles around the quantum point contact. <i>Surface Science</i> , 2006, 600, 4319-4322.	0.8	0
121	Fabrication of nanostructures by selective growth of C ₆₀ and Si on Si(111) substrate. <i>Surface Science</i> , 2006, 600, 2810-2816.	0.8	13
122	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
123	Temperature-Dependent Growth of Smooth DNA Film. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 5183-5185.	0.8	4
124	Scanning Tunneling Microscope Study of a Local Electronic State Surrounding Mn Nanoclusters on Graphite. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L469-L471.	0.8	2
125	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
126	Switching Property of Atomic Switch Controlled by Solid Electrochemical Reaction. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L364-L366.	0.8	35

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127	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
128	One-dimensional Schottky contact between ErSi ₂ nanowire and Si(001). <i>Applied Physics Letters</i> , 2006, 88, 233117.	1.5	22
129	Epitaxially grown WO _x nanorod probes for sub-100nm multiple-scanning-probe measurement. <i>Applied Physics Letters</i> , 2006, 88, 254101.	1.5	63
130	Local electronic structure of a quantum point contact observed with STM. <i>Physical Review B</i> , 2006, 74, .	1.1	1
131	Quantized conductance atomic switch. <i>Nature</i> , 2005, 433, 47-50.	13.7	1,115
132	Mechanisms of electron transport through bellows-shaped fullerene tubes. <i>Journal of Chemical Physics</i> , 2005, 122, 074702.	1.2	11
133	A nonvolatile programmable solid-electrolyte nanometer switch. <i>IEEE Journal of Solid-State Circuits</i> , 2005, 40, 168-176.	3.5	198
134	Epitaxial growth of WO _x nanorod array on W(001). <i>Science and Technology of Advanced Materials</i> , 2004, 5, 647-649.	2.8	23
135	First-principles electronic structure calculations for peanut-shaped C ₁₂₀ molecules. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 617-620.	2.8	5
136	Fabrication and electron-beam-induced polymerization of C ₆₀ nanoribbon. <i>Thin Solid Films</i> , 2004, 464-465, 327-330.	0.8	27
137	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
138	Electrical properties of a two-dimensionally hexagonal C ₆₀ photopolymer. <i>Journal of Applied Physics</i> , 2004, 96, 443-445.	1.1	31
139	Structural and electrical properties of an electron-beam-irradiated C ₆₀ film. <i>Applied Physics Letters</i> , 2003, 82, 595-597.	1.5	115
140	Nanometer-scale switches using copper sulfide. <i>Applied Physics Letters</i> , 2003, 82, 3032-3034.	1.5	492
141	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
142	Formation and disappearance of a nanoscale silver cluster realized by solid electrochemical reaction. <i>Journal of Applied Physics</i> , 2002, 91, 10110.	1.1	119
143	Carbon nanotube tip for scanning tunneling microscopy. <i>Physica B: Condensed Matter</i> , 2002, 323, 153-155.	1.3	30
144	Structural and Cohesive Properties of aC ₆₀ Monolayer. <i>Physical Review Letters</i> , 2001, 87, 048301.	2.9	36

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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	<i>In Situ</i> FTIR, XPS, and STM Studies of the Nano-Structure of a Photopolymerized C ₆₀ Film. Molecular Crystals and Liquid Crystals, 2000, 340, 689-694.	0.3	8
147	Three Distinct Terraces on a $\sqrt{2} \times \sqrt{2}$ -(ET) ₂ I ₃ Surface Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1999, 38, L464-L466.	0.8	5
148	PHOTOINDUCED PRODUCTS IN A C ₆₀ MONOLAYER ON Si(111) ($\sqrt{3} \times \sqrt{3}$) \times Ag: AN STM STUDY. Surface Review and Letters, 1999, 06, 1073-1078.	0.5	38
149	Weakly bound and strained C ₆₀ monolayer on the Si(111) $\sqrt{3} \times \sqrt{3}$ Ag substrate surface. Physical Review B, 1999, 59, 12627-12631.	1.1	48
150	Strong linear polarization in scanning tunneling microscopy-induced luminescence from porous silicon. Applied Physics Letters, 1999, 74, 3842-3844.	1.5	10
151	Spatially resolved observation of Coulomb blockade and negative differential conductance on a Ag cluster on the clean GaAs(110) surface. Applied Physics Letters, 1999, 74, 1716-1718.	1.5	14
152	Temperature suppression of STM-induced desorption of hydrogen on Si(100) surfaces. Surface Science, 1999, 424, L329-L334.	0.8	29
153	Stability of Surface Steps on $\sqrt{2} \times \sqrt{2}$ -(ET) ₂ I ₃ Surfaces and Removal of Molecules by an STM Tip.. Shinku/Journal of the Vacuum Society of Japan, 1999, 42, 245-248.	0.2	0
154	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
155	Bias voltage-dependent scanning tunneling microscopy images of a GaAs(110) surface with small Ag clusters. Applied Surface Science, 1998, 130-132, 425-430.	3.1	0
156	Atomic scale modifications of hydrogen-terminated silicon $\sqrt{2} \times \sqrt{2}$ and $\sqrt{3} \times \sqrt{3}$ (001) surfaces by scanning tunneling microscope. Surface Science, 1998, 411, 203-214.	0.8	29
157	Luminescence from the transition metal iron induced with a scanning tunneling microscope. Surface Science, 1998, 415, L1032-L1036.	0.8	4
158	Platinum nanodot formation by atomic point contact with a scanning tunneling microscope platinum tip. Applied Physics Letters, 1998, 73, 3360-3362.	1.5	24
159	Creation and consumption of free Si atoms at the growth front of a CaF monolayer on Si(111) $\sqrt{7} \times \sqrt{7}$. Physical Review B, 1998, 57, 1855-1859.	1.1	10
160	Intensity and polarization switching behaviors of light emission induced with a scanning tunneling microscope. Applied Physics Letters, 1998, 73, 2269-2271.	1.5	6
161	Tip-induced Electron Occupation of an Unoccupied Surface State in Scanning Tunneling Microscopy Imaging of a GaAs(110) Surface with Ag Clusters. Japanese Journal of Applied Physics, 1997, 36, L1336-L1339.	0.8	10
162	Analysis of STM Images after Atom Extractions from the Si(111) $\sqrt{7} \times \sqrt{7}$ Unit Cell through a Cluster Model. Journal of Physical Chemistry B, 1997, 101, 9570-9573.	1.2	3

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163	Spin-polarized electron tunneling detected using a scanning tunneling microscope. <i>Surface Science</i> , 1997, 386, 311-314.	0.8	8
164	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
165	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
166	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
167	Extraction, deposition, and displacement of atoms by STM. <i>Microelectronic Engineering</i> , 1996, 32, 191-201.	1.1	16
168	Influence of surfactant coverage on epitaxial growth of Ge on Si(001). <i>Physical Review B</i> , 1996, 54, 8600-8604.	1.1	62
169	Surface and interface structural control using coaxial impact-collision ion scattering spectroscopy (CAICISS). <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 99, 598-601.	0.6	4
170	Structure and stability of the out-of-phase boundary in a surface superlattice, Si(111) $\sqrt{3}\sqrt{3}$ R30 $^\circ$ Ag. <i>Surface Science</i> , 1995, 344, 143-148.	0.8	15
171	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
172	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
173	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
174	Heterogrowth of Ge on the Si(001)2 \times 1 reconstructed surface. <i>Surface Science</i> , 1992, 273, 9-20.	0.8	20
175	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
176	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