

# Yukio Hasegawa

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulations for ferromagnetic resonance of nano-size island structures probed by radio-frequency scanning tunneling microscopy. Japanese Journal of Applied Physics, 2022, 61, 025001.	0.8	0
2	Scanning Tunneling Microscopy Data Analysis Using Sparse Modeling. Vacuum and Surface Science, 2022, 65, 78-83.	0.0	0
3	Superconductivity near the saddle point in the two-dimensional Rashba system Si(111)-3 $\times$ 3-(Tl,Pb). Physical Review B, 2022, 105, .	1.1	1
4	Cutting-edge Sciences Developed by Probes. Vacuum and Surface Science, 2022, 65, 45-45.	0.0	0
5	Multiband superconductivity in strongly hybridized $1T\text{-NbSe}_2$ heterostructures. Physical Review B, 2022, 105, .	7	7
6	Reduction in magnetic coercivity of Co nanomagnets by Fe alloying. Nanoscale, 2021, 13, 16719-16725.	2.8	3
7	Enhanced critical magnetic field for monoatomic-layer superconductor by Josephson junction steps. Physical Review B, 2021, 103, .	1.1	4
8	Robust perpendicular magnetization of Co nanomagnets against alloy composition. Physical Review B, 2021, 104, .	1.1	2
9	Numerical calculation of the potential distribution on the Si(111)-7 $\times$ 7 surface for scanning tunneling potentiometry. Japanese Journal of Applied Physics, 2020, 59, SN1016.	0.8	0
10	Electrical Conductivity Across Line Defects on the Si(111)-7 $\times$ 7 Surface. Vacuum and Surface Science, 2020, 63, 431-436.	0.0	0
11	Scanning tunneling microscopy on cleaved Mn <sub>3</sub> Sn(0001) surface. Scientific Reports, 2019, 9, 9677.	1.6	7
12	Defect-induced electronic structures on SnSe surfaces. Japanese Journal of Applied Physics, 2019, 58, S11A06.	0.8	4
13	Bulk ferromagnetic tips for spin-polarized scanning tunneling microscopy. Review of Scientific Instruments, 2019, 90, 013704.	0.6	3
14	Nanoscale Magnetic Imaging. , 2019, , 53-66.		0
15	Role of one-dimensional defects in the electrical transport through Si(111)-7 $\times$ 7 surface states. Physical Review B, 2019, 99, .	1.1	3
16	Purpose of SPM Special Issue: "Frontier in Nano Science by Scanning Probe Microscopy". Vacuum and Surface Science, 2018, 61, 630-631.	0.0	0
17	Unconventional superconductivity in the single-atom-layer alloy Si(111)-3 $\times$ 3-(Tl,Pb). Physical Review B, 2018, 98, .	1.1	13
18	Future in Research Explored by Probe Microscopy. Vacuum and Surface Science, 2018, 61, 609-610.	0.0	1

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19	Role of the substrate in the formation of chiral magnetic structures driven by the interfacial Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2017, 95, .	1.1	10
20	Dirac Fermions in Borophene. <i>Physical Review Letters</i> , 2017, 118, 096401.	2.9	353
21	Guided Molecular Assembly on a Locally Reactive 2D Material. <i>Advanced Materials</i> , 2017, 29, 1703929.	11.1	7
22	Atomic-scale visualization of surface-assisted orbital order. <i>Science Advances</i> , 2017, 3, eaao0362.	4.7	14
23	Break voltage of Au single-atom contacts formed by junction closure. <i>Journal of Applied Physics</i> , 2017, 121, 244304.	1.1	1
24	Experimental verification of the rotational type of chiral spin spiral structures by spin-polarized scanning tunneling microscopy. <i>Scientific Reports</i> , 2017, 7, 13269.	1.6	8
25	Surface Magnetism Investigated with Spin-Resolved Scanning Tunneling Microscopy. <i>Hyomen Kagaku</i> , 2017, 38, 508-513.	0.0	0
26	Compressed Sensing in Scanning Tunneling Microscopy/Spectroscopy for Observation of Quasi-Particle Interference. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 093702.	0.7	13
27	Electrical Conductivity through a Single Atomic Step Measured with the Proximity-Induced Superconducting Pair Correlation. <i>Physical Review Letters</i> , 2016, 117, 116802.	2.9	23
28	Superconducting proximity effect on a Rashba-split Pb/Ge(111)- $\sqrt{3} \times \sqrt{3}$ surface. <i>Superconductor Science and Technology</i> , 2016, 29, 084006.	1.8	7
29	Insensitivity of atomic point contact conductance to a moiré structure. <i>Physical Review B</i> , 2016, 93, .	1.1	6
30	Direct visualization of surface phase of oxygen molecules physisorbed on Ag(111) surface: A two-dimensional quantum spin system. <i>Physical Review B</i> , 2016, 93, .	1.1	3
31	Spatial variation in local work function as an origin of moiré contrast in scanning tunneling microscopy images of Pb thin films/Si(111). <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08NA03.	0.8	2
32	Disorder-induced suppression of superconductivity in the Si(111)- $\sqrt{7} \times \sqrt{3}$ -In surface: Scanning tunneling microscopy study. <i>Physical Review B</i> , 2015, 92, .	1.1	16
33	Electronic and magnetic effects of a stacking fault in cobalt nanoscale islands on the Ag(111) surface. <i>Physical Review B</i> , 2015, 92, .	1.1	13
34	Impact of Surface Conditions on the Superconductivity of Si(111)- $\sqrt{7} \times \sqrt{3}$ In Surface. <i>Physical Review Letters</i> , 2015, 114, 206801.	2.9	15
35	Spin Polarized STM/STS on Mn Thin Films on W(110) Using a Bulk Cr Tip. <i>Hyomen Kagaku</i> , 2015, 36, 403-407.	0.0	0
36	Site-Dependent Evolution of Electrical Conductance from Tunneling to Atomic Point Contact. <i>Physical Review Letters</i> , 2015, 114, 206801.	2.9	15

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37	Excitation spectrum of Josephson vortices on surface superconductor. Journal of Physics: Conference Series, 2014, 568, 022022.	0.3	1
38	Scanning tunneling microscopy/spectroscopy of picene thin films formed on Ag(111). Journal of Chemical Physics, 2014, 141, 114701.	1.2	21
39	Imaging Josephson Vortices on the Surface Superconductor $\text{Si} \times \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td}$		

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55	Scanning Tunneling Microscopy Assisted by Synchrotron Radiation Light for High-resolution Element Specific Imaging. Hyomen Kagaku, 2010, 31, 452-458.	0.0	0
56	Direct evidence of the contribution of surface states to the Kondo resonance. Physical Review B, 2009, 80, .	1.1	19
57	Nanoscale Chemical Imaging by Scanning Tunneling Microscopy Assisted by Synchrotron Radiation. Physical Review Letters, 2009, 102, 105503.	2.9	41
58	Initial Adsorption and Kondo Resonance of 5,10,15,20-Tetrakis(4-bromophenyl)porphyrin-Co Molecules on Ag/Si(111) Surface Studied by Low-Temperature Scanning Tunneling Microscopy/Spectroscopy. Japanese Journal of Applied Physics, 2009, 48, 08JB01.	0.8	3
59	Pressure-induced superconductivity in boron-doped Buckypapers. Applied Physics Letters, 2009, 95, .	1.5	9
60	Pressure dependence of Meissner effect in films of ropes of boron-doped carbon nanotubes. Superlattices and Microstructures, 2009, 46, 333-339.	1.4	2
61	Observation of the screened potential and the Friedel oscillation by low-temperature scanning tunneling microscopy/spectroscopy. Applied Surface Science, 2009, 256, 469-474.	3.1	8
62	Meissner effect in films of ropes of boron-doped single-walled carbon nanotubes; Correlation with applied pressure and boron-doped multi-walled nanotubes. Journal of Physics: Conference Series, 2009, 153, 012070.	0.3	1
63	Nanoscale lithography with frequency-modulation atomic force microscopy. Review of Scientific Instruments, 2008, 79, 123706.	0.6	9
64	Adsorption, manipulation and self-assembling of TBrPP-Co molecules on a Ag/Si(111) surface by scanning tunnelling microscopy. Nanotechnology, 2008, 19, 465707.	1.3	13
65	Superconducting Pb Island Nanostructures Studied by Scanning Tunneling Microscopy and Spectroscopy. Physical Review Letters, 2008, 101, 167001.	2.9	102
66	Atomically resolved imaging by low-temperature frequency-modulation atomic force microscopy using a quartz length-extension resonator. Review of Scientific Instruments, 2008, 79, 033703.	0.6	41
67	Improvement of a dynamic scanning force microscope for highest resolution imaging in ultrahigh vacuum. Review of Scientific Instruments, 2008, 79, 083701.	0.6	24
68	Atomically Resolved Imaging by Frequency Modulation Atomic Force Microscopy Using Length Extension Quartz Resonator. Journal of the Japan Society for Precision Engineering, 2008, 74, 687-690.	0.0	0
69	Functional Probes for Scanning Probe Microscopy. Advances in Materials Research, 2008, , 305-320.	0.2	1
70	Size-Dependent Superconductivity of Pb Islands under Magnetic Fields Studied by Low-Temperature Scanning Tunneling Microscopy/Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, L880-L882.	0.8	5
71	Functional Probes for Scanning Probe Microscopy. Journal of Physics: Conference Series, 2007, 61, 22-25.	0.3	5
72	Real-Space Observation of Screened Potential and Friedel Oscillation by Scanning Tunneling Spectroscopy. Journal of Physics: Conference Series, 2007, 61, 399-403.	0.3	10

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73	Electrostatic Potential Screened by a Two-Dimensional Electron System: A Real-Space Observation by Scanning-Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2006, 96, 016801.	2.9	55
74	Element specific imaging by scanning tunneling microscopy combined with synchrotron radiation light. <i>Applied Physics Letters</i> , 2006, 89, 243119.	1.5	34
75	Superconductivity of nanometer-size Pb islands studied by low-temperature scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2006, 88, 113115.	1.5	41
76	Surface states of a Pd monolayer formed on a Au(111) surface studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2006, 74, .	1.1	17
77	Direct Observation of Screened Coulomb Potential by Two-dimensional Electron System using Scanning Tunneling Spectroscopy. <i>Hyomen Kagaku</i> , 2006, 27, 695-701.	0.0	1
78	Fabrication of a glass-coated metal tip for synchrotron-radiation-light-irradiated scanning tunneling microscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 083711.	0.6	24
79	Atomically-resolved imaging by frequency-modulation atomic force microscopy using a quartz length-extension resonator. <i>Applied Physics Letters</i> , 2005, 87, 133114.	1.5	48
80	Development of a metal tip cantilever for noncontact atomic force microscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 033705.	0.6	43
81	Development of a Scanning Tunneling Microscope Combined with a Synchrotron Radiation Light Source. <i>Hyomen Kagaku</i> , 2005, 26, 752-756.	0.0	2
82	On Possibility of Real Space Observation of the Aharonov-Bohm Effect by Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L206-L209.	0.8	0
83	Calculation of Noise Intensity in the Frequency Demodulation for Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L303-L305.	0.8	8
84	Imaging of all Dangling Bonds and their Potential on the Ge/Si(105) Surface by Noncontact Atomic Force Microscopy. <i>Physical Review Letters</i> , 2004, 93, 266102.	2.9	78
85	Development and trial measurement of synchrotron-radiation-light-illuminated scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2004, 75, 2149-2153.	0.6	27
86	Nanofilm Allotrope and Phase Transformation of Ultrathin Bi Film on Si(111)-7 $\times$ 7. <i>Physical Review Letters</i> , 2004, 93, 105501.	2.9	417
87	Development of ultralow temperature scanning tunneling microscope cooled by a dilution refrigerator. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004, 2, 151-154.	0.1	2
88	Atom manipulation of bright and dark spots on Cu(111) surface by scanning tunneling microscope. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004, 2, 165-168.	0.1	2
89	Dimer structure of the Si(0 0 1) $\times$ 1 surface observed by low-temperature scanning tunneling microscope. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 1644-1646.	1.3	9
90	Dimer buckling of the Si(001) $\times$ 1 surface below 10 K observed by low-temperature scanning tunneling microscopy. <i>Physical Review B</i> , 2003, 67, .	1.1	59

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91	Na Adsorption on the Si(111) $\sqrt{7}\times\sqrt{7}$ Surface: From Two-Dimensional Gas to Nanocluster Array. <i>Physical Review Letters</i> , 2003, 91, 126101.	2.9	110
92	Spatial and temperature dependence of the spectroscopic profile of a magnetic atom adsorbed on a metal surface $\text{Co/Cu}(111)$ . <i>Journal of Applied Physics</i> , 2003, 94, 334-341.	1.1	13
93	Nonmetallic transport property of the Si(111) $\sqrt{7}\times\sqrt{7}$ surface. <i>Physical Review B</i> , 2003, 68, .	1.1	39
94	High Resolution Atomic Force Microscopic Imaging of the Si(111) $\sqrt{7}\times\sqrt{7}$ Surface: Contribution of Short-Range Force to the Images. <i>Physical Review Letters</i> , 2002, 89, 266105.	2.9	80
95	Modification of electron density in surface states: scanning tunnelling microscopy observation of standing waves on Pd overlayers. <i>Nanotechnology</i> , 2002, 13, 710-713.	1.3	1
96	Modification of electron density in surface states: standing wave observation on Pd overlayers by STM. <i>Surface Science</i> , 2002, 514, 84-88.	0.8	11
97	A theoretical analysis of quantum mirages on a Cu(111) surface. <i>Surface Science</i> , 2002, 514, 89-94.	0.8	10
98	Potential profile around step edges of Si surface measured by nc-AFM. <i>Applied Surface Science</i> , 2002, 188, 386-390.	3.1	11
99	Electron standing-wave observation in the Pd overlayer on Au(111) and Cu(111) surfaces by scanning tunneling microscopy. <i>Physical Review B</i> , 2001, 64, .	1.1	19
100	Scanning Tunneling Microscopy Barrier-Height Imaging of Shockley Dislocations on a Au(111) Reconstructed Surface. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 4277-4280.	0.8	17
101	Atomic structures of two-dimensional strained InAs epitaxial layers on a GaAs(001) surface: in situ observation of quantum dot growth. <i>Journal of Experimental and Theoretical Physics</i> , 2000, 91, 1000-1010.	0.2	1
102	Coulomb expansion of a van der Waals C60 solid film. <i>Science in China Series A: Mathematics</i> , 2000, 43, 1224-1232.	0.5	0
103	X-ray source combined ultrahigh-vacuum scanning tunneling microscopy for elemental analysis. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 2676.	1.6	11
104	Observation of Clean and Oxygen-Adsorbed Pt(113) Surfaces by Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2000, 39, 3562-3565.	0.8	10
105	Mesoscopic Work Function Measurement by Scanning Tunneling Microscopy. <i>Advances in Materials Research</i> , 2000, , 167-191.	0.2	3
106	Structures of GaN(0001)-(2 $\times$ 2), -(4 $\times$ 4), and -(5 $\times$ 5) Surface Reconstructions. <i>Physical Review Letters</i> , 1999, 82, 3074-3077.	2.9	96
107	Erasable nanometer-scale modification at the Au/Si interface by ballistic electron emission microscopy. <i>Applied Physics Letters</i> , 1999, 75, 3668-3670.	1.5	6
108	Atomistic investigation of various GaN (0001) phases on the 6H $\sqrt{3}\times\sqrt{3}$ SiC(0001) surface. <i>Physical Review B</i> , 1999, 59, 12604-12611.	1.1	48

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109	Atomic Structure of Faceted Planes of InAs Quantum Dots on GaAs(001) Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1999, 38, 500-503.	0.8	15
110	Two-step preparation of 6H-SiC(0001) surface for epitaxial growth of GaN thin film. Applied Physics Letters, 1999, 74, 2468-2470.	1.5	46
111	Scanning Tunneling Microscopy Study of GaAs(001) Surfaces [I]. Hyomen Kagaku, 1999, 20, 262-271.	0.0	1
112	Steps on the Au/Cu(111) surface studied by local work function measurement with STM. Applied Physics A: Materials Science and Processing, 1998, 66, S1125-S1128.	1.1	12
113	Local work function measurement on Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>y</sub> single crystal with STM. Solid State Communications, 1998, 105, 533-535.	0.9	7
114	Variation of the local work function at steps on metal surfaces studied with STM. Physical Review B, 1998, 58, 1193-1196.	1.1	105
115	Barrier-Height Imaging of Si(001) 2 × 1 Surface. Japanese Journal of Applied Physics, 1998, 37, 3785-3788.	0.8	6
116	Detection of X-ray Induced Current Using a Scanning Tunneling Microscope and its Spatial Mapping for Elemental Analysis. Japanese Journal of Applied Physics, 1998, 37, L1271-L1273.	0.8	11
117	Atomic structure of faceted planes of three-dimensional InAs islands on GaAs(001) studied by scanning tunneling microscope. Applied Physics Letters, 1998, 72, 2265-2267.	1.5	79
118	Barrier-Height Imaging of Oxygen-Adsorbed Si(111) 7 × 7 Surfaces. Japanese Journal of Applied Physics, 1997, 36, 3860-3863.	0.8	19
119	In-rich 4 × 2 reconstruction in novel planar growth of InAs on GaAs(001). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1270.	1.6	34
120	Interaction of C[ <sub>60</sub> ] with the (3 × 3) and (√3 × √3) surfaces of 6H-SiC(0001): Adsorption, decomposition, and SiC growth. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1300.	1.6	9
121	Si- and C-rich structure of the 6H-SiC(0001) surface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1307.	1.6	9
122	Extraordinary growth of C[ <sub>60</sub> ] on a GaAs(001) As-rich 2 × 4 surface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1628.	1.6	18
123	STM study of C <sub>2</sub> H <sub>2</sub> adsorption on Si(001). Physical Review B, 1997, 56, 4648-4655.	1.1	86
124	Effect of surface polarity on gallium adsorption on 6H-SiC surfaces. Applied Physics Letters, 1997, 71, 2776-2778.	1.5	4
125	Adsorption of N <sub>2</sub> H <sub>4</sub> on silicon surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 1155-1158.	0.9	3
126	STM study of one-dimensional cluster formation of fullerenes: Dimerization of Y@C <sub>82</sub> . Physical Review B, 1997, 56, 6470-6473.	1.1	30



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127	Initial Stages of Cubic GaN Growth on the GaAs(001) Surface Studied by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1997, 36, L1486-L1489.	0.8	20
128	Local work function for Cu(111)Au surface studied by scanning tunneling microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1861.	1.6	28
129	Scanning tunneling microscopy of N <sub>2</sub> H <sub>4</sub> on silicon surfaces. Surface Science, 1997, 380, 481-488.	0.8	7
130	Structural and vibrational properties of 6H-SiC(0001) surfaces studied using STM/HREELS. Surface Science, 1997, 385, 60-65.	0.8	15
131	Elemental contrast of local work function studied by scanning tunneling microscopy. Surface Science, 1997, 386, 328-334.	0.8	61
132	Surface reconstruction and morphology evolution in highly strained InAs epilayer growth on GaAs(001) surface. Journal of Applied Physics, 1997, 81, 1071-1074.	0.7	14
133	Surface State Electrons: Transport Through Dangling Bonds on Silicon, and Scattering and Confinement on Metals. , 1997, , 1-23.		1
134	Measurement of surface state conductance using STM point contacts. Surface Science, 1996, 357-358, 32-37.	0.8	49
135	Measurement of the tip-sample capacitance for Si surfaces. Surface Science, 1996, 357-358, 532-535.	0.8	1
136	Field-effect scanning tunneling microscopy study of the atomic structure of 6H-SiC(0001) surfaces cleaned by in situ Si molecular beam etching. Journal of Applied Physics, 1996, 80, 2524-2526.	1.1	36
137	C <sub>60</sub> single crystal films on GaAs (001) surfaces. Thin Solid Films, 1996, 281-282, 618-623.	0.8	19
138	Surface geometry of MBE-grown GaAs(001) surface phases. Thin Solid Films, 1996, 281-282, 556-561.	0.8	10
139	Scanning tunneling microscopy study of fullerenes. Progress in Surface Science, 1996, 51, 263-408.	3.8	151
140	Surface geometry of GaAs(001) surface Ga-rich phases grown by molecular beam epitaxy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 193-197.	2.6	3
141	C <sub>60</sub> single crystal films on GaAs/InAs(001) surfaces. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 27-33.	2.6	3
142	STM study on one-dimensional cluster formation processes of Y <sub>2</sub> C <sub>82</sub> and C <sub>60</sub> molecules. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 23-26.	2.6	3
143	Adsorption and film growth of C <sub>60</sub> on the GaAs(001) surface by molecular-beam epitaxy. Physical Review B, 1996, 53, 1985-1989.	1.1	19
144	Geometrical capacitance of the tip-semiconductor junction. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 1219-1222.	0.9	12

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145	Structures of 6H-SiC Surfaces. European Physical Journal Special Topics, 1996, 06, C5-167-C5-172.	0.2	2
146	Fullerene (C60) Adsorption and Films Growth on the (1×1) and (3×3) Surface of 6H SiC(0001). European Physical Journal Special Topics, 1996, 06, C5-173-C5-177.	0.2	0
147	STM-HREELS Investigation of C60 on Cu(111). European Physical Journal Special Topics, 1996, 06, C5-179-C5-184.	0.2	0
148	Probing electrical transport, electron interference, and quantum size effects at surfaces with STM/STS. IBM Journal of Research and Development, 1995, 39, 603-616.	3.2	14
149	Electrical Properties of Nanometer-Size Metal-Semiconductor Point Contacts. , 1995, , 147-154.		1
150	Real Space Observation of Standing Waves at Metal Surfaces and the Determination of Surface State Dispersion with the Scanning Tunneling Microscope. Japanese Journal of Applied Physics, 1994, 33, 3675-3678.	0.8	1
151	Observation of the relaxation processes that follow atom removal from the Au(111) surface with the scanning tunneling microscope. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 1797.	1.6	12
152	Quantized Hall conductance and its sign reversal in field-induced spin-density waves. Physical Review B, 1994, 50, 921-931.	1.1	22
153	Electronic properties of nanometer-size metal-semiconductor point contacts studied by STM. Applied Surface Science, 1994, 76-77, 347-352.	3.1	19
154	Precipitation of metastable $\epsilon$ in $Al_{1-9}Li_{2-5}Mg$ alloy. Materials Science and Technology, 1994, 10, 222-226.	0.8	7
155	Direct observation of standing wave formation at surface steps using scanning tunneling spectroscopy. Physical Review Letters, 1993, 71, 1071-1074.	2.9	597
156	Scanning tunneling microscope tip-sample interactions: Atomic modification of Si and nanometer Si Schottky diodes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 1725-1732.	0.9	65
157	STM-Induced Modification and Electrical Properties of Surfaces on the Atomic and Nanometer Scales. , 1993, , 11-24.		1
158	Laser etching on the Cl-saturated Si(111)7×7 surface at 266 nm studied by scanning tunnelling microscopy. Journal of Physics Condensed Matter, 1992, 4, 8435-8440.	0.7	16
159	Manipulation of the Reconstruction of the Au(111) Surface with the STM. Science, 1992, 258, 1763-1765.	6.0	96
160	Stabilization of Generalized Flux States on the 3-Dimensional Lattice. Springer Proceedings in Physics, 1992, , 473-475.	0.1	0
161	A Study of Alkali Metal Adsorption on Si Surfaces by Field Ion Scanning Tunneling Microscopy. Springer Series in Materials Science, 1992, , 227-236.	0.4	0
162	FI-STM study of alkali metal adsorption on Si surfaces. Surface Science, 1991, 246, 189-194.	0.8	37

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163	Ballistic electron emission in silicide-silicon interfaces. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1991, 9, 578.	1.6	23
164	Alkali metal adsorption on the Si(111)7 $\times$ 7 surface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1991, 9, 745.	1.6	68
165	Alkali-metal adsorption on silicon surfaces studied by field ion-scanning tunneling microscopy (FISTM). Applied Surface Science, 1991, 48-49, 119-124.	3.1	15
166	A UHV-BEEM Study of NiSi <sub>2</sub> /Si(111) Interface.. Hyomen Kagaku, 1991, 12, 424-433.	0.0	0
167	Field ion-scanning tunneling microscopy. Progress in Surface Science, 1990, 33, 3-89.	3.8	139
168	Numerical study of flux phases in the t-J model. Physical Review B, 1990, 41, 1949-1957.	1.1	48
169	Stabilization of flux states on two-dimensional lattices. Physical Review B, 1990, 41, 9174-9182.	1.1	90
170	Atomic hydrogen chemisorption on the Si(111) 7 $\times$ 7 surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 259-261.	0.9	56
171	New versatile room-temperature field ion scanning tunneling microscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 324-326.	0.9	31
172	Field ion-scanning tunneling microscopy of alkali metal adsorption on the Si(100) surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 233-237.	0.9	92
173	Cluster formation of Li on the Si(111)7 $\times$ 7 surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 238-240.	0.9	42
174	Adsorption of Li (K) on the Si(001)-(2 $\times$ 1) surface: Scanning-tunneling-microscopy study. Physical Review B, 1990, 41, 9688-9691.	1.1	79
175	FI-STM (Field ion-scanning tunneling microscopy).. Hyomen Kagaku, 1990, 11, 167-172.	0.0	0
176	Scanning tunneling microscope equipped with a field ion microscope. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 1684-1688.	0.9	29
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