

# Shuji Hasegawa

## List of Publications by Year in descending order

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266  
papers

10,216  
citations

31976

53  
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42399

92  
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268  
all docs

268  
docs citations

268  
times ranked

6769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft-Magnetic Skyrmions Induced by Surface-State Coupling in an Intrinsic Ferromagnetic Topological Insulator Sandwich Structure. <i>Nano Letters</i> , 2022, 22, 881-887.	9.1	7
2	Superconductivity near the saddle point in the two-dimensional Rashba system Si(111) $\hat{a}^{\sim}3\hat{A}-3\hat{a}^{\sim}$ (Tl,Pb). <i>Physical Review B</i> , 2022, 105, .	3.2	1
3	Two-Dimensional Superconductivity of Ca-Intercalated Graphene on SiC: Vital Role of the Interface between Monolayer Graphene and the Substrate. <i>ACS Nano</i> , 2022, 16, 3582-3592.	14.6	16
4	Spin-glass-like state induced by Mn-doping into a moderate gap layered semiconductor SnSe <sub>2</sub> . <i>Journal of Applied Physics</i> , 2021, 130, 223903.	2.5	1
5	Structure of superconducting Ca-intercalated bilayer Graphene/SiC studied using total-reflection high-energy positron diffraction. <i>Carbon</i> , 2020, 157, 857-862.	10.3	25
6	Scattering of topological surface-state carriers at steps on surfaces. <i>Physical Review B</i> , 2020, 102, .	3.2	3
7	Superconducting proximity effect in a Rashba-type surface state of Pb/Ge(111). <i>Superconductor Science and Technology</i> , 2020, 33, 075007.	3.5	3
8	Concomitance of superconducting spin-orbit scattering length and normal state spin diffusion length in W on (Bi,Sb) <sub>2</sub> Te <sub>3</sub> . <i>JPhys Materials</i> , 2020, 3, 034001.	4.2	2
9	Two-dimensional conducting layer on the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{SrTi} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Inverse spin Hall effect induced by asymmetric illumination of light in topological insulator surface induced by hv<sub>0</sub> generation. <i>Physical Review B</i> , 2019, 100, .	3.2	2
10	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{i} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{e} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Superconductor-insulator transition in an anisotropic two-dimensional electron gas assisted by Phys.	3.6	5
11	Superconductor-insulator transition in an anisotropic two-dimensional electron gas assisted by one-dimensional Friedel oscillations: $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle ( \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Tl} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ <i>Physical Review B</i> , 2019, 100, .	3.2	6
12	Vortex-induced quantum metallicity in the mono-unit-layer superconductor $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{NbS} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{e} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review B</i> , 2019, 99, .	3.2	15
13	Charge and spin transport on surfaces and atomic layers measured by multi-probe techniques. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 223001.	1.8	4
14	Superconducting single-atomic-layer Tl-Pb compounds on Ge(111) and Si(111) surfaces. <i>Applied Surface Science</i> , 2019, 479, 679-684.	6.1	10
15	Transport Measurement. , 2019, , 159-197.		1
16	Thickness Dependence of Surface Structure and Superconductivity in Pb Atomic Layers. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 113601.	1.6	2
17	Unconventional superconductivity in the single-atom-layer alloy Si(111) $\hat{a}^{\sim}\hat{a}^{\sim}3\hat{A}-\hat{a}^{\sim}3\hat{a}^{\sim}$ (Tl,Pb). <i>Physical Review B</i> , 2018, 98, .	3.2	13
18	Comment on "Quantum transport in the surface states of epitaxial Bi(111) thin films". <i>Physical Review B</i> , 2018, 97, .	3.2	5

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19	Shubnikovâ€“de Haas oscillations in $p$ - and $n$ -type topological insulator (Bi <sub>2</sub> Te <sub>3</sub> ) Tj ETQq1 1 0.784314 rgBT /Ove 2018, 30, 265001.	1.8	8
20	Anisotropic band splitting in monolayer NbSe <sub>2</sub> : implications for superconductivity and charge density wave. Npj 2D Materials and Applications, 2018, 2, .	7.9	43
21	Efficient Edelstein effects in one-atom-layer TI-Pb compound. Applied Physics Letters, 2018, 113, .	3.3	4
22	Weak localization in bilayer graphene with Li-intercalation/desorption. Journal of Physics Condensed Matter, 2018, 30, 305701.	1.8	5
23	Superconductivity in thallium double atomic layer and transition into an insulating phase intermediated by a quantum metal state. 2D Materials, 2017, 4, 025020.	4.4	30
24	Large-Gap Magnetic Topological Heterostructure Formed by Subsurface Incorporation of a Ferromagnetic Layer. Nano Letters, 2017, 17, 3493-3500.	9.1	129
25	Emergence of charge density waves and a pseudogap in single-layer TiTe <sub>2</sub> . Nature Communications, 2017, 8, 516.	12.8	90
26	Berry phase shift from $2\pi$ to $\pi$ in bilayer graphene by Li-intercalation and sequential desorption. Applied Physics Letters, 2017, 110, .	3.3	7
27	Report on the IUVSTA meetings at the 20th International Vacuum Congress (IVC-20). Journal of the Vacuum Society of Japan, 2017, 60, 24-25.	0.3	1
28	Two-Dimensional Superconductivity in Intercalated Bilayer Graphene. Hyomen Kagaku, 2017, 38, 460-465.	0.0	0
29	Development of a Convenient &in situ &UHV Scanning Tunneling Potentiometry System Using a Tip Holder Equipped with Current-Injection Wires. E-Journal of Surface Science and Nanotechnology, 2016, 14, 216-224.	0.4	7
30	Superconducting Calcium-Intercalated Bilayer Graphene. ACS Nano, 2016, 10, 2761-2765.	14.6	214
31	Observation of Superconductivity on the Rashba-Type Surface Reconstruction (TI, Pb)/Si(111) by &in situ &Electrical Transport Measurements. Hyomen Kagaku, 2016, 37, 363-368.	0.0	0
32	Two-Dimensional Superconductor with a Giant Rashba Effect: One-Atom-Layer TI-Pb Compound on Si(111). Physical Review Letters, 2015, 115, 147003.	7.8	108
33	Direct observation of a gap opening in topological interface states of MnSe/Bi <sub>2</sub> Se <sub>3</sub> heterostructure. Applied Physics Letters, 2015, 107, .	3.3	28
34	Recent Advances in Research on Electronic and Spin Transport at Surfaces. Hyomen Kagaku, 2015, 36, 104-111.	0.0	0
35	Target element dependent spinâ€“orbit coupling in polarized 4He <sup>+</sup> ion scattering. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 163-166.	1.4	4
36	Preface: 7th Vacuum and Surface Sciences Conference of Asia and Australia (VASSCAA-7). Applied Surface Science, 2015, 354, 1.	6.1	0

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37	Role of Quantum and Surface-State Effects in the Bulk Fermi-Level Position of Ultrathin Bi Films. <i>Physical Review Letters</i> , 2015, 115, 106803.	7.8	41
38	In Situ Microfabrication and Measurements of $\text{Bi}_2\text{Se}_3$ Ultrathin Films in a Multichamber System with a Focused Ion Beam, Molecular Beam Epitaxy, and Four-Tip Scanning Tunneling Microscope. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014, 12, 423-430.	0.4	9
39	Electron-spin-dependent $^4\text{He}^+$ ion scattering on Bi surfaces. <i>Radiation Effects and Defects in Solids</i> , 2014, 169, 1003-1009.	1.2	6
40	Anisotropic electronic conduction in metal nanofilms grown on a one-dimensional surface superstructure. <i>Physical Review B</i> , 2014, 89, .	3.2	7
41	In Situ Magnetotransport Measurements in Ultrathin Bi Films: Evidence for Surface-Bulk Coherent Transport. <i>Physical Review Letters</i> , 2014, 113, 206802.	7.8	36
42	Redox Control and High Conductivity of Nickel Bis(dithiolene) Complex $\text{Ni}$ -Nanosheet: A Potential Organic Two-Dimensional Topological Insulator. <i>Journal of the American Chemical Society</i> , 2014, 136, 14357-14360.	13.7	395
43	Structure determination of multilayer silicene grown on Ag(111) films by electron diffraction: Evidence for Ag segregation at the surface. <i>Physical Review B</i> , 2014, 89, .	3.2	83
44	Structure and transport properties of Cu-doped $\text{Bi}_2\text{Se}_3$ films. <i>Physical Review B</i> , 2014, 89, .	3.2	28
45	“The Picture is My Life”, 2014, , 156-163.		0
46	Evidence of Dirac fermions in multilayer silicene. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	180
47	Magnetoresistance Measurements of a Superconducting Surface State of In-Induced and Pb-Induced Structures on Si(111). <i>Physical Review Letters</i> , 2013, 110, 237001.	7.8	138
48	In situ transport measurements on ultrathin Bi(111) films using a magnetic tip: possible detection of current-induced spin polarization in the surface states. <i>New Journal of Physics</i> , 2013, 15, 105018.	2.9	8
49	Fermi-Level Tuning of Topological Insulator Thin Films. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 110112.	1.5	19
50	Anisotropic conductivity of the $\text{Si}(111)_4$ 1-In surface: Transport mechanism determined by the temperature dependence. <i>Physical Review B</i> , 2012, 86, .	3.2	17
51	Hydrogen-Induced Surface Metallization of $\text{SrTiO}_3$	7.8	64
52	Lessons from Au-adsorbed Si Surfaces. <i>Hyomen Kagaku</i> , 2012, 33, 118-126.	0.0	0
53	Atomic and Electronic Structure of Ultrathin Bi(111) Films Grown on $\text{Bi}_2\text{Te}_3$ Surface. <i>Physical Review Letters</i> , 2012, 109, 227401.	7.8	122
54	Atomic structure of two-dimensional binary surface alloys: $\text{Si}(111)\text{-As}_{21}\text{-Sb}_{21}$ superstructure. <i>Surface Science</i> , 2012, 606, 919-923.	1.9	6

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55	Surface relaxation of topological insulators: Influence on the electronic structure. <i>Physical Review B</i> , 2012, 85, .	3.2	39
56	Surface Electrical Conductivity Measurement System with Micro-Four-Point Probes at Sub-Kelvin Temperature under High Magnetic Field in Ultrahigh Vacuum. <i>E-Journal of Surface Science and Nanotechnology</i> , 2012, 10, 400-405.	0.4	36
57	Nanometer-Scale Four-Point Probe Resistance Measurements of Individual Nanowires by Four-Tip STM. <i>Advances in Atom and Single Molecule Machines</i> , 2012, , 153-165.	0.0	1
58	Atomic and Electronic Structures of Si(111)- $\sqrt{2} \times \sqrt{2}$ Superstructure. <i>E-Journal of Surface Science and Nanotechnology</i> , 2012, 10, 310-314.	0.4	0
59	Interfacing 2D and 3D Topological Insulators: Bi(111) Bilayer on $\sqrt{2} \times \sqrt{2}$ Si(111) Surface. <i>Physical Review Letters</i> , 2011, 107, 166801.	7.8	249
60	Are Topological Insulators Experimentally Verified?. <i>Hyomen Kagaku</i> , 2011, 32, 216-225.	0.0	1
61	Surface Potential of Magnesium Oxide Thin Films Prepared by Metal Organic Decomposition MOD. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 199-203.	0.2	0
62	Development of a Surface Magneto-Transport Measurement System with Multi-Probes and the In situ Measurement of Bi Nanofilms Prepared on Si(111) $\sqrt{7} \times \sqrt{7}$ . <i>Japanese Journal of Applied Physics</i> , 2011, 50, 036602.	1.5	12
63	Metallic Transport in a Monatomic Layer of In on a Silicon Surface. <i>Physical Review Letters</i> , 2011, 106, 116802.	7.8	56
64	Enhanced spin relaxation in an ultrathin metal film by the Rashba-type surface. <i>Physical Review B</i> , 2011, 83, .	3.2	11
65	Static and dynamic observation of supermolecular protein, ferritin, using high-speed atomic force microscope. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	5
66	Manipulation of magnetic anisotropy of Co ultrathin films by substrate engineering. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	2
67	Development of a Surface Magneto-Transport Measurement System with Multi-Probes and the In situ Measurement of Bi Nanofilms Prepared on Si(111) $\sqrt{7} \times \sqrt{7}$ . <i>Japanese Journal of Applied Physics</i> , 2011, 50, 036602.	1.5	5
68	Characterization of the ultrasonically treated multiwalled carbon nanotubes for safety evaluation. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 355-358.	0.2	0
69	Effect of Outgassing Characteristics of Magnesium Oxide Films grown by Metallo-Organic Decomposition-MOD. <i>Transactions of the Materials Research Society of Japan</i> , 2010, 35, 385-389.	0.2	0
70	Phase transition temperatures determined by different experimental methods: $\sqrt{2} \times \sqrt{2}$ Si(111) with defects. <i>Physical Review B</i> , 2010, 81, .	3.2	27
71	Conductance transition and interwire ordering of Pb nanowires on Si(557). <i>Physical Review B</i> , 2010, 82, .	3.2	5
72	Quasi-one-dimensional metals on semiconductor surfaces with defects. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 084026.	1.8	18

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73	Electron compound nature in a surface atomic layer of a two-dimensional hexagonal lattice. Physical Review B, 2010, 82, .	3.2	10
74	Spectroscopic evidence of a topological quantum phase transition in ultrathin $\text{Bi}$ films. Physical Review B, 2010, 81, .	3.2	117
75	Topological metal at the surface of an ultrathin $\text{Bi}$ film. Physical Review B, 2010, 81, .	3.2	57
76	Anomalous transport in an $\text{Bi}$ -type topological insulator ultrathin film. Physical Review B, 2010, 82, .	3.2	47
77	Development of an UHV-SMOKE System Using Permanent Magnets. E-Journal of Surface Science and Nanotechnology, 2010, 8, 298-302.	0.4	1
78	Dynamic Evaluation of Processive Movement by Individual Supermolecular Ferritin using High-Speed AFM. Transactions of the Materials Research Society of Japan, 2010, 35, 987-992.	0.2	0
79	Localization and hopping conduction in glass and crystal phases of monatomic Au layers on a silicon surface. Physical Review B, 2009, 79, .	3.2	7
80	Insulating conduction in Sn/Si(111): Possibility of a Mott insulating ground state and metallization/localization induced by carrier doping. Physical Review B, 2009, 80, .	3.2	14
81	Direct detection of grain boundary scattering in damascene Cu wires by nanoscale four-point probe resistance measurements. Applied Physics Letters, 2009, 95, 052110.	3.3	54
82	Conductivity of the $\text{Si}$ surface state. Physical Review B, 2009, 79, .	3.2	80
83	Large Surface-state Conductivity in Quantum Bi Films. Hyomen Kagaku, 2009, 30, 374-379.	0.0	2
84	Band-bending inhomogeneity of Au adsorbed surface evaluated with Si 2p core-level spectra. Surface Science, 2008, 602, 3316-3322.	1.9	3
85	Electronic transport properties of quantum-well states in ultrathin Pb (111) films. Physical Review B, 2008, 78, .	3.2	30
86	Electronic transport of Au-adsorbed $\text{Si}$ surface state. Physical Review B, 2008, 78, .	3.2	16
87	Origin of the surface-state band-splitting in ultrathin Bi films: from a Rashba effect to a parity effect. New Journal of Physics, 2008, 10, 083038.	2.9	62
88	Manipulating quantum-well states by surface alloying: Pb on ultrathin Ag films. Physical Review B, 2008, 78, .	3.2	15
89	Spin Polarization of Quantum Well States in Ag Films Induced by the Rashba Effect at the Surface. Physical Review Letters, 2008, 101, 107604.	7.8	57
90	Absence of charge-density waves on the dense $\text{Pb}/\text{Ge}(111)$ surface. Physical Review B, 2008, 77, .	3.2	14

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91	Synthesis and conductance measurement of periodic arrays of gold nanoparticles. Applied Physics Letters, 2008, 93, 163103.	3.3	14
92	Growth, Quantum Confinement and Transport Mechanisms of Ge Nanodot Arrays Formed on a SiO <sub>2</sub> Monolayer. E-Journal of Surface Science and Nanotechnology, 2008, 6, 191-201.	0.4	3
93	The Present and Future of e-Journal. Hyomen Kagaku, 2008, 29, 437-445.	0.0	3
94	Quantum Size Effect in Ge Nanodot Arrays Formed on a SiO <sub>2</sub> Monolayer. Journal of the Vacuum Society of Japan, 2008, 51, 453-459.	0.3	2
95	Quantum-Size Effect in Uniform Ge/Sn Alloy Nanodots Observed by Photoemission Spectroscopy. Japanese Journal of Applied Physics, 2007, 46, L1176.	1.5	8
96	Variable-temperature independently driven four-tip scanning tunneling microscope. Review of Scientific Instruments, 2007, 78, 053705.	1.3	43
97	Transport in defective quasi-one-dimensional arrays of chains of gold atoms on a vicinal silicon surface. Physical Review B, 2007, 76, .	3.2	32
98	Electrical conduction of Ge nanodot arrays formed on an oxidized Si surface. Applied Physics Letters, 2007, 91, 123104.	3.3	11
99	Influence of defects on transport in quasi-one-dimensional arrays of chains of metal atoms on silicon. Physical Review B, 2007, 76, .	3.2	15
100	Large surface-state conductivity in ultrathin Bi films. Applied Physics Letters, 2007, 91, .	3.3	92
101	Electronic Structures of the Highest Occupied Molecular Orbital Bands of a Pentacene Ultrathin Film. Physical Review Letters, 2007, 98, 247601.	7.8	167
102	Electron-Phonon Interaction and Localization of Surface-State Carriers in a Metallic Monolayer. Physical Review Letters, 2007, 99, 146805.	7.8	38
103	High-yield synthesis of conductive carbon nanotube tips for multiprobe scanning tunneling microscope. Review of Scientific Instruments, 2007, 78, 013703.	1.3	21
104	Four-tip scanning tunneling microscope for measuring transport in nanostructures. , 2007, , .		0
105	Direct observation of spin splitting in bismuth surface states. Physical Review B, 2007, 76, .	3.2	163
106	Quantum well states in ultrathin Bi films: Angle-resolved photoemission spectroscopy and first-principles calculations study. Physical Review B, 2007, 75, .	3.2	103
107	Four-Point Probe Resistance Measurements Using PtIr-Coated Carbon Nanotube Tips. Nano Letters, 2007, 7, 956-959.	9.1	98
108	Fermiology and transport in metallic monatomic layers on semiconductor surfaces. Journal of Physics Condensed Matter, 2007, 19, 355007.	1.8	20





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127	Strong lateral growth and crystallization via two-dimensional allotropic transformation of semi-metal Bi film. <i>Surface Science</i> , 2005, 590, 247-252.	1.9	66
128	Alkali metal-induced Si(111) structure: The Na case. <i>Surface Science</i> , 2005, 590, 162-172.	1.9	23
129	Scanning tunnelling microscopy observations at initial stage of Cs adsorption on Si(111)- $\sqrt{3}\sqrt{3}$ -Ag surface. <i>Surface and Interface Analysis</i> , 2005, 37, 101-105.	1.8	4
130	Resistance measurements of metallic silicide nanowires on a Si substrate with a four-tip scanning tunneling microscope. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 362-366.	0.4	2
131	Coating Carbon Nanotubes with Compound Ultrathin Film: A Novel Route to Functional SPM tips. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 417-420.	0.4	2
132	Electrical Conduction on Various Au/Si(111) Surface Superstructures. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 497-502.	0.4	11
133	Allotropic Transformation of Semimetal Bi Nanofilm on the Si Surface. <i>Hyomen Kagaku</i> , 2005, 26, 344-350.	0.0	3
134	Exploiting Metal Coating of Carbon Nanotubes for Scanning Tunneling Microscopy Probes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5336-5338.	1.5	15
135	Electrical Characterization of Metal-Coated Carbon Nanotube Tips. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L1563-L1566.	1.5	18
136	Long-period modulations in the linear chains of Tl atoms on Si(100). <i>Physical Review B</i> , 2005, 71, .	3.2	13
137	Evolution of Fermi surface by electron filling into a free-electronlike surface state. <i>Physical Review B</i> , 2005, 71, .	3.2	53
138	Atomic scale observation of a two-dimensional liquid-solid phase transition on the Si(111)- $\sqrt{3}\sqrt{3}$ -Ag surface. <i>Physical Review B</i> , 2005, 71, .	3.2	19
139	In situ resistance measurements of epitaxial cobalt silicide nanowires on Si(110). <i>Applied Physics Letters</i> , 2005, 86, 233108.	3.3	64
140	.RAD.21* .RAD.21 phase formed by Na adsorption on Si(111).RAD.3* .RAD.3-Ag and its electronic structure. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 107-112.	0.4	12
141	STM observation of the Si(111)-c(12*2)-Ag surface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 151-155.	0.4	4
142	Study of Surface Electrical Conduction at Glass-Crystal Transition in Au/Si(111) Surface Superstructures. <i>Hyomen Kagaku</i> , 2005, 26, 468-473.	0.0	1
143	Electronic Transport in Multiwalled Carbon Nanotubes Contacted with Patterned Electrodes. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1081-L1084.	1.5	41
144	Selective Growth of Straight Carbon Nanotubes by Low-Pressure Thermal Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 860-863.	1.5	21

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145	Electrical Resistance of a Monatomic Step on a Crystal Surface. <i>Physical Review Letters</i> , 2004, 93, 236801.	7.8	83
146	Direct observation of soliton dynamics in charge-density waves on a quasi-one-dimensional metallic surface. <i>Physical Review B</i> , 2004, 70, .	3.2	40
147	The effective mass of a free-electron-like surface state of the Si(111)-Ag surface investigated by photoemission and scanning tunneling spectroscopies. <i>Surface Science</i> , 2004, 563, 191-198.	1.9	50
148	Nanofilm Allotrope and Phase Transformation of Ultrathin Bi Film on Si(111)- $\sqrt{7}\times\sqrt{7}$ . <i>Physical Review Letters</i> , 2004, 93, 105501.	7.8	417
149	Surface-State Electrical Conductivity at a Metal-Insulator Transition On Silicon. <i>Physical Review Letters</i> , 2004, 93, .	7.8	150
150	Nonmetallic transport of a quasi-one-dimensional metallic Si(557) $\sqrt{3}\times\sqrt{3}$ surface. <i>Physical Review B</i> , 2004, 70, .	3.2	36
151	Photoemission Structure Factor Effect for Fermi Rings of the Si(111) $\sqrt{3}\times\sqrt{3}$ -Ag Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004, 2, 141-145.	0.4	14
152	Quantum-Well States in Ultra-Thin Metal Films on Semiconductor Surfaces. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004, 2, 169-177.	0.4	18
153	Successive Phase Transitions Induced by Ca and Sr Adsorptions on a Si(111) Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2004, 2, 178-185.	0.4	5
154	Phase Locking and Soliton Dynamics of Charge Density Waves on a Silicon Surface. <i>Hyomen Kagaku</i> , 2004, 25, 407-415.	0.0	3
155	UHV-SEM Observation of Surface Electromigration with Silver Tip. <i>Hyomen Kagaku</i> , 2004, 25, 534-540.	0.0	0
156	Anisotropy in Conductance of a Quasi-One-Dimensional Metallic Surface State Measured by a Square Micro-Four-Point Probe Method. <i>Physical Review Letters</i> , 2003, 91, 036805.	7.8	175
157	Resolution enhancement of scanning four-point-probe measurements on two-dimensional systems. <i>Review of Scientific Instruments</i> , 2003, 74, 3701-3708.	1.3	27
158	Nonmetallic transport property of the Si(111) $\sqrt{7}\times\sqrt{7}$ surface. <i>Physical Review B</i> , 2003, 68, .	3.2	39
159	Electronic evidence of asymmetry in the Si(111) $\sqrt{3}\times\sqrt{3}$ -Ag structure. <i>Physical Review B</i> , 2003, 68, .	3.2	59
160	ELECTRICAL CONDUCTION THROUGH SURFACE SUPERSTRUCTURES MEASURED BY MICROSCOPIC FOUR-POINT PROBES. <i>Surface Review and Letters</i> , 2003, 10, 963-980.	1.1	80
161	Step Edges as Reservoirs of Ag Adatom Gas on a Si(111) Surface. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4894-4897.	1.5	14
162	Si(111)- $\sqrt{21}\times\sqrt{21}$ -(Ag+Cs) Surface Studied by Scanning Tunneling Microscopy and Angle-Resolved Photoemission Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4659-4662.	1.5	10

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