

Maki Kawai

List of Publications by Year in descending order

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291
papers

10,022
citations

41344

49
h-index

46799

89
g-index

291
all docs

291
docs citations

291
times ranked

9381
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective triplet exciton formation in a single molecule. <i>Nature</i> , 2019, 570, 210-213.	27.8	142
2	Onâ€œSurface Evolution of meso â€œIsomerism in Twoâ€œDimensional Supramolecular Assemblies. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9611-9618.	13.8	6
3	Onâ€œSurface Evolution of meso â€œIsomerism in Twoâ€œDimensional Supramolecular Assemblies. <i>Angewandte Chemie</i> , 2019, 131, 9713-9720.	2.0	0
4	Quasiparticle scattering in type-II Weyl semimetal MoTe ₂ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 105703.	1.8	7
5	Energy-level alignment of a single molecule on ultrathin insulating film. <i>Physical Review B</i> , 2018, 98, .	3.2	14
6	Surface structure of novel semimetal WTe ₂ . <i>Applied Physics Express</i> , 2017, 10, 045702.	2.4	9
7	Visualizing Type-II Weyl Points in Tungsten Ditelluride by Quasiparticle Interference. <i>ACS Nano</i> , 2017, 11, 11459-11465.	14.6	37
8	Structural evolution of Bi thin films on Au(111) revealed by scanning tunneling microscopy. <i>Physical Review B</i> , 2017, 96, .	3.2	20
9	In Situ STM and Vibrational Study of Nanometer-Scale Reorganization of a Phospholipid Monolayer Accompanied by Potential-Driven Headgroup Digestion. <i>Langmuir</i> , 2017, 33, 13157-13167.	3.5	4
10	Single-molecule quantum dot as a Kondo simulator. <i>Nature Communications</i> , 2017, 8, 16012.	12.8	77
11	Transport characteristics of a silicene nanoribbon on Ag(110). <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1699-1704.	2.8	10
12	Impact of reduced symmetry on magnetic anisotropy of a single iron phthalocyanine molecule on a Cu substrate. <i>Journal of Chemical Physics</i> , 2016, 144, 044701.	3.0	9
13	Comment on â€œRashba Spin-Orbit Coupling in Image Potential Statesâ€œ. <i>Physical Review Letters</i> , 2016, 117, 239701.	7.8	4
14	Atomic structure of â€œmultilayer siliceneâ€œgrown on Ag(111): Dynamical low energy electron diffraction analysis. <i>Surface Science</i> , 2016, 651, 70-75.	1.9	24
15	Formation of Ordered Phospholipid Monolayer on a Hydrophilically Modified Au(111) Substrate. <i>ACS Nano</i> , 2016, 10, 7811-7820.	14.6	4
16	Linewidth analysis of image potential states on noble metal surfaces with highâ€œenergy resolved twoâ€œphoton photoemission spectroscopy. <i>Surface and Interface Analysis</i> , 2016, 48, 1194-1198.	1.8	1
17	Rashba splitting in an image potential state investigated by circular dichroism two-photon photoemission spectroscopy. <i>Physical Review B</i> , 2016, 94, .	3.2	12
18	Surface phonon excitation on clean metal surfaces in scanning tunneling microscopy. <i>Physical Review B</i> , 2016, 93, .	3.2	13

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19	Lateral Hopping of CO on Ag(110) by Multiple Overtone Excitation. <i>Physical Review Letters</i> , 2016, 116, 056101.	7.8	17
20	Single-Molecule Dynamics in the Presence of Strong Intermolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4369-4373.	4.6	4
21	Spectroscopic Identification of Ag-Terminated α -Multilayer Silicene Grown on Ag(111). <i>Journal of Physical Chemistry C</i> , 2016, 120, 6689-6693.	3.1	17
22	Lewis Basicity of Nitrogen-Doped Graphite Observed by CO ₂ Chemisorption. <i>Nanoscale Research Letters</i> , 2016, 11, 127.	5.7	49
23	Characterization of nitrogen species incorporated into graphite using low energy nitrogen ion sputtering. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 458-465.	2.8	25
24	Seamless growth of a supramolecular carpet. <i>Nature Communications</i> , 2016, 7, 10653.	12.8	13
25	Confinement of the Pt(111) Surface State in Graphene Nanoislands. <i>Journal of Physical Chemistry C</i> , 2016, 120, 345-349.	3.1	9
26	The role of thermal excitation in the tunneling-electron-induced reaction: Dissociation of dimethyl disulfide on Cu(111). <i>Surface Science</i> , 2016, 643, 18-22.	1.9	9
27	One-dimensional edge state of Bi thin film grown on Si(111). <i>Applied Physics Letters</i> , 2015, 107, .	3.3	35
28	Pragmatic Application of Abstract Algebra to Two-Dimensional Lattice Matching. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 361-365.	0.4	5
29	Comparison of electronic structure between monolayer silicenes on Ag (111). <i>Chinese Physics B</i> , 2015, 24, 087307.	1.4	8
30	Action spectroscopy for single-molecule reactions – Experiments and theory. <i>Progress in Surface Science</i> , 2015, 90, 85-143.	8.3	93
31	Tunneling Desorption of Single Hydrogen on the Surface of Titanium Dioxide. <i>ACS Nano</i> , 2015, 9, 6837-6842.	14.6	22
32	Scanning Tunneling Microscope Observation of the Phosphatidylserine Domains in the Phosphatidylcholine Monolayer. <i>Langmuir</i> , 2015, 31, 5449-5455.	3.5	10
33	Electronic modulations in a single wall carbon nanotube induced by the Au(111) surface reconstruction. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	2
34	Silicene on Ag(111): Geometric and electronic structures of a new honeycomb material of Si. <i>Progress in Surface Science</i> , 2015, 90, 1-20.	8.3	58
35	SecA is required for membrane targeting of the cell division protein DivIVA in vivo. <i>Frontiers in Microbiology</i> , 2014, 5, 58.	3.5	22
36	Single Molecule Study of the Electronic Structures of Molecular Tripods with Functional Units. <i>Journal of the Vacuum Society of Japan</i> , 2014, 57, 159-162.	0.3	0

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37	Transport characteristics of a single C_{60} -molecule junction revealed by multiple Andreev reflections. <i>Physical Review B</i> , 2014, 90, .	3.2	10
38	Adsorption of Water Dimer on Platinum(111): Identification of the $\sim OH\cdot\cdot Pt$ Hydrogen Bond. <i>ACS Nano</i> , 2014, 8, 11583-11590.	14.6	34
39	Surface Hydrogenation Reactions at the Single-Molecule Level. <i>Chemical Record</i> , 2014, 14, 819-826.	5.8	3
40	Dissociation pathways of a single dimethyl disulfide on Cu(111): Reaction induced by simultaneous excitation of two vibrational modes. <i>Journal of Chemical Physics</i> , 2014, 140, 194705.	3.0	15
41	Controlling orbital-selective Kondo effects in a single molecule through coordination chemistry. <i>Journal of Chemical Physics</i> , 2014, 141, 054702.	3.0	27
42	Direct observation of adsorption geometry for the van der Waals adsorption of a single π -conjugated hydrocarbon molecule on Au(111). <i>Journal of Chemical Physics</i> , 2014, 140, 074709.	3.0	13
43	Determination of atomic positions in silicene on Ag(111) by low-energy electron diffraction. <i>Surface Science</i> , 2014, 623, 25-28.	1.9	97
44	Electronic decoupling by h-BN layer between silicene and Cu(111): A DFT-based analysis. <i>New Journal of Physics</i> , 2014, 16, 105019.	2.9	20
45	Adsorbed states of iron(II) phthalocyanine on Ag(111) studied by high-resolution electron energy loss spectroscopy. <i>Surface and Interface Analysis</i> , 2014, 46, 1253-1256.	1.8	5
46	Site-dependent electronic structures of a single molecule on a metal surface studied by scanning tunneling microscopy and spectroscopy. <i>Chemical Physics Letters</i> , 2014, 614, 117-122.	2.6	2
47	Single Molecule Vibrational Spectroscopy using STM. <i>Hyomen Kagaku</i> , 2014, 35, 565-570.	0.0	0
48	Controlling Dissociation Reaction of a Water Molecule on Ultrathin MgO Film. <i>Hyomen Kagaku</i> , 2014, 35, 486-491.	0.0	0
49	STM Investigation of CO Ordering on Pt(111): From an Isolated Molecule to High-Coverage Superstructures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16429-16437.	3.1	35
50	Tip-enhanced Raman spectroscopy of 4,4'-bipyridine and 4,4'-bipyridine N,N'-dioxide adsorbed on gold thin films. <i>Surface Science</i> , 2013, 617, 1-9.	1.9	14
51	Comment on "Evidence for Dirac Fermions in a Honeycomb Lattice Based on Silicon". <i>Physical Review Letters</i> , 2013, 110, 229701.	7.8	56
52	Tailoring electronic states of a single molecule using adamantane-based molecular tripods. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14229.	2.8	18
53	Orbital-selective single molecule reactions on a metal surface studied using low-temperature scanning tunneling microscopy. <i>Chemical Communications</i> , 2013, 49, 4679.	4.1	7
54	Substrate-Induced Symmetry Breaking in Silicene. <i>Physical Review Letters</i> , 2013, 110, 076801.	7.8	358

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55	Structural transition of silicene on Ag(111). <i>Surface Science</i> , 2013, 608, 297-300.	1.9	169
56	Molecular Assembly Through the Chain Reaction of Substituted Acenes on the Si(100)-(2 Å ⁻¹)-H Surface. <i>Journal of Physical Chemistry C</i> , 2013, , 130912152428004.	3.1	2
57	Enhancement of Inelastic Electron Tunneling Conductance Caused by Electronic Decoupling in Iron Phthalocyanine Bilayer on Ag(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 21832-21837.	3.1	14
58	Substituent Effect on the Intermolecular Arrangements of One-Dimensional Molecular Assembly on the Si(100)-(2 Å ⁻¹)-H Surface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 270-275.	3.1	7
59	Dispersive Electronic States of the π -Orbitals Stacking in Single Molecular Lines on the Si(001)-(2 Å ⁻¹)-H Surface. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1199-1204.	4.6	2
60	Mode-selective electron-phonon coupling in laser photoemission on Cu(110). <i>Physical Review B</i> , 2013, 88, .	3.2	6
61	Spectral Fitting of Action Spectra for Motions and Reactions of Single Molecules on Metal Surfaces. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 75-79.	3.2	6
62	Photoresponse on the Desorption of an Atomic Hydrogen on Titanium Dioxide Surface Induced by a Tip of Scanning Tunneling Microscope. <i>Chemistry Letters</i> , 2013, 42, 942-943.	1.3	4
63	High Energy- and Momentum-Resolved Two-Photon Photoemission Spectroscopy: Pure Dephasing Rate Measurement on Image States. <i>Hyomen Kagaku</i> , 2013, 34, 421-425.	0.0	1
64	Structure of Silicene Grown on Ag(111). <i>Applied Physics Express</i> , 2012, 5, 045802.	2.4	518
65	Atomic scale understanding of linear and perpendicular junction of molecular lines on Si(100)-H surface. , 2012, , .		0
66	Ligand Field Effect at Oxide-Metal Interface on the Chemical Reactivity of Ultrathin Oxide Film Surface. <i>Journal of the American Chemical Society</i> , 2012, 134, 10554-10561.	13.7	23
67	Two-Dimensional Superstructure Formation of Fluorinated Fullerene on Au(111): A Scanning Tunneling Microscopy Study. <i>ACS Nano</i> , 2012, 6, 2679-2685.	14.6	18
68	Symmetry-Driven Novel Kondo Effect in a Molecule. <i>Physical Review Letters</i> , 2012, 109, 086602.	7.8	138
69	Chemically homogeneous and thermally reversible oxidation of epitaxial graphene. <i>Nature Chemistry</i> , 2012, 4, 305-309.	13.6	300
70	Creation of single oxygen vacancy on titanium dioxide surface. <i>Journal of Materials Research</i> , 2012, 27, 2237-2240.	2.6	19
71	Ordering of Molecules with π -Conjugated Triangular Core by Switching Hydrogen Bonding and van der Waals Interactions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17082-17088.	3.1	17
72	Identification at the Single Molecule Level of C ₂ H _x Moieties Derived from Acetylene on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18372-18381.	3.1	12

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73	Combined Scanning Tunneling Microscopy and High-Resolution Electron Energy Loss Spectroscopy Study on the Adsorption State of CO on Ag(001). <i>Langmuir</i> , 2012, 28, 13249-13252.	3.5	7
74	Formation of Organic Nanostructures on Semiconductor Surfaces. , 2012, , 277-300.		1
75	Density Functional Theory Calculation for Magnetism of Fe-Phthalocyanine Molecules on Au(111). <i>E-Journal of Surface Science and Nanotechnology</i> , 2012, 10, 38-44.	0.4	8
76	Coverage-Dependent Formation of Chiral Ethylthiolate-Au Complexes on Au(111). <i>Langmuir</i> , 2011, 27, 627-629.	3.5	10
77	Activation of Ultrathin Oxide Films for Chemical Reaction by Interface Defects. <i>Journal of the American Chemical Society</i> , 2011, 133, 6142-6145.	13.7	41
78	One-Dimensional Molecular Zippers. <i>Journal of the American Chemical Society</i> , 2011, 133, 9236-9238.	13.7	19
79	Ion-Pair Formation between Ferrocene-Terminated Self-Assembled Monolayers and Counteranions Studied by Force Measurements. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6775-6781.	3.1	29
80	Nature of Electron Transport by Pyridine-Based Tripodal Anchors: Potential for Robust and Conductive Single-Molecule Junctions with Gold Electrodes. <i>Journal of the American Chemical Society</i> , 2011, 133, 3014-3022.	13.7	94
81	Coexistence and Interconversion of Di- σ and π -Bonded Ethylene on the Pt(111) and Pd(110) Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2263-2266.	4.6	20
82	Light emission from PTCDA bilayer on Au(111) induced in scanning tunneling microscopy. <i>Surface Science</i> , 2011, 605, 2032-2037.	1.9	4
83	Step-edge faceting and local metallization of a single-wall semiconducting carbon nanotube. <i>Journal of Applied Physics</i> , 2011, 110, 073710.	2.5	2
84	Energy level alignment of single-wall carbon nanotubes on metal surfaces. <i>Physical Review B</i> , 2011, 83, .	3.2	11
85	Characterization of an Organic Field-Effect Thin-Film Transistor in Operation Using Fluorescence-Yield X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , 2011, 107, 147401.	7.8	12
86	Control of Molecular Rotors by Selection of Anchoring Sites. <i>Physical Review Letters</i> , 2011, 106, 146101.	7.8	26
87	Evolution of Kondo Resonance from a Single Impurity Molecule to the Two-Dimensional Lattice. <i>Physical Review Letters</i> , 2011, 106, 187201.	7.8	138
88	Scanning tunneling microscopy and inelastic electron tunneling spectroscopy studies of methyl isocyanide adsorbed on Pt(111). <i>Journal of Physics: Conference Series</i> , 2010, 235, 012003.	0.4	1
89	Blocking Oxidation of Al Surfaces with Organic Thiol Monolayers Cured by Electron Beam. <i>Chemistry Letters</i> , 2010, 39, 1297-1299.	1.3	0
90	Upright Structuring of Functional Carboxylate Anchored on Benzoate/Cu(110) Molecular Template Studied by Scanning Tunneling Microscopy. <i>Chemistry Letters</i> , 2010, 39, 554-555.	1.3	2

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91	State-selective dissociation of a single water molecule on an ultrathin MgO film. <i>Nature Materials</i> , 2010, 9, 442-447.	27.5	171
92	Nanoscale structural variation observed on the vicinal SrTiO ₃ (001) surface. <i>Applied Physics Letters</i> , 2010, 96, 231901.	3.3	11
93	Low-temperature adsorption of H ₂ S on Ag(111). <i>Journal of Chemical Physics</i> , 2010, 133, 124705.	3.0	18
94	Termination and Verwey transition of the (111) surface of magnetite studied by scanning tunneling microscopy and first-principles calculations. <i>Physical Review B</i> , 2010, 81, .	3.2	49
95	Controlling water dissociation on an ultrathin MgO film by tuning film thickness. <i>Physical Review B</i> , 2010, 82, .	3.2	38
96	Insight into Action Spectroscopy for Single Molecule Motion and Reactions through Inelastic Electron Tunneling. <i>Physical Review Letters</i> , 2010, 105, 076101.	7.8	57
97	Giant electric double-layer capacitance of heavily boron-doped diamond electrode. <i>Diamond and Related Materials</i> , 2010, 19, 772-777.	3.9	81
98	Duramycin-Induced Destabilization of a Phosphatidylethanolamine Monolayer at the Air-Water Interface Observed by Vibrational Sum-Frequency Generation Spectroscopy. <i>Langmuir</i> , 2010, 26, 16055-16062.	3.5	33
99	Single-Molecule Vibrational Spectroscopy and Inelastic-Tunneling-Electron-Induced Diffusion of Formate Adsorbed on Ni(110). <i>Journal of Physical Chemistry C</i> , 2010, 114, 3003-3007.	3.1	20
100	Systematic Study of Soft X-ray Spectra of Poly(Dg)-Poly(Dc) and Poly(Da)-Poly(Dt) DNA Duplexes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7016-7021.	2.6	24
101	Direct Interaction of Water Ice with Hydrophobic Methyl-Terminated Si(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 19004-19008.	3.1	7
102	The Electronic State and Spatial Distribution of Excess Charge Created by Oxygen Vacancies on Titanium Dioxide Surfaces. <i>Hyomen Kagaku</i> , 2010, 31, 474-479.	0.0	0
103	Spin Excitation of a Single Iron (II) Phthalocyanine Molecule on the Cu(110) Surface. <i>Hyomen Kagaku</i> , 2009, 30, 433-438.	0.0	1
104	Mechanism of vibrational excitation in inelastic photoemission from solid surfaces. <i>Physical Review B</i> , 2009, 80, .	3.2	7
105	Effect of Substituent Position on Molecular Assembly: Hydrogen-Bonded Arrangement of Aminobenzoates Adsorbed on Cu(110). <i>Japanese Journal of Applied Physics</i> , 2009, 48, 08JB16.	1.5	0
106	Single-Molecule Chemistry. , 2009, , .		0
107	Substrate-induced array of quantum dots in a single-walled carbon nanotube. <i>Nature Nanotechnology</i> , 2009, 4, 567-570.	31.5	22
108	Electronic state observation of inner organic thin films beneath electrodes: Fluorescence-yield X-ray absorption spectra of pentacene derivative films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 174, 93-99.	1.7	2

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109	Observation of photoactive yellow protein anchored to a modified Au(1 1 1) surface by scanning tunneling microscopy. <i>Chemical Physics Letters</i> , 2009, 472, 113-117.	2.6	7
110	Valence States of One-Dimensional Molecular Assembly Formed by Ketone Molecules on the Si(100)-(2 Å ⁻¹) _{1 × 1} Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9115-9120.	3.1	15
111	Visualization of Phospholipid Particle Fusion Induced by Duramycin. <i>Langmuir</i> , 2009, 25, 8200-8207.	3.5	10
112	Self-Assembly of Meta-Aminobenzoate on Cu(110). <i>Langmuir</i> , 2009, 25, 5504-5508.	3.5	5
113	Vibration-Assisted Rotation and Deprotonation of a Single Formic Acid Molecule Adsorbed on Ni(110) Studied by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19277-19280.	3.1	17
114	Self-Activated Catalyst Layer for Partial Hydrogenation of 1,3-Butadiene on a Hydrogen-Precovered Pd(110) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14872-14878.	3.1	11
115	Adsorption-Induced Switching of Magnetic Anisotropy in a Single Iron(II) Phthalocyanine Molecule on an Oxidized Cu(110) Surface. <i>Physical Review Letters</i> , 2009, 102, 167203.	7.8	268
116	The electronic structure of oxygen atom vacancy and hydroxyl impurity defects on titanium dioxide (110) surface. <i>Journal of Chemical Physics</i> , 2009, 130, 124502.	3.0	197
117	Synthesis of tripodal anchor units bearing selenium functional groups and their adsorption behaviour on gold. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4949.	2.8	26
118	Electrochemical Synthesis of a Self-Assembled Monolayer of a Seleno-Organic Compound on Gold. <i>Electrochemistry</i> , 2009, 77, 388-392.	1.4	0
119	Force Curve Measurements between n-Decanethiol Self-Assembled Monolayers in Inert Solvent and in Electrochemical Environment. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 731-736.	0.4	2
120	Vibrational study of water dimers on Pt(111) using a scanning tunneling microscope. <i>Surface Science</i> , 2008, 602, 3136-3139.	1.9	57
121	Effect of the substituent on metal-π-molecule hybridization. <i>Surface Science</i> , 2008, 602, 3140-3143.	1.9	6
122	Role of Molecular Orbitals Near the Fermi Level in the Excitation of Vibrational Modes of a Single Molecule at a Scanning Tunneling Microscope Junction. <i>Physical Review Letters</i> , 2008, 100, 136104.	7.8	71
123	Partial Hydrogenation of 1,3-Butadiene on Hydrogen-Precovered Pd(110) in the Balance of π-Bonded C ₄ Hydrocarbon Reactions. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17219-17224.	3.1	11
124	Self-Directed Chain Reaction by Small Ketones with the Dangling Bond Site on the Si(100)-(2 Å ⁻¹) _{1 × 1} -H Surface: Acetophenone, A Unique Example. <i>Journal of the American Chemical Society</i> , 2008, 130, 11518-11523.	18.7	50
125	Long-Range Proton Transport for the Water Reaction on Si(001): Study of Hydrogen-Bonded Systems with a Model Liquid-solid Interface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12879-12886.	3.1	14
126	Self-Assembly and Scanning Tunneling Microscopy Tip-Induced Motion of Ferrocene Adamantane Trithiolate Adsorbed on Au(111). <i>Japanese Journal of Applied Physics</i> , 2008, 47, 6156.	1.5	23

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127	Electronic structure of single-walled carbon nanotubes on ultrathin insulating films. Applied Physics Letters, 2008, 93, .	3.3	11
128	Electric field response of a vibrationally excited molecule in an STM junction. Physical Review B, 2008, 78, .	3.2	38
129	Magnetic structure of periodically meandered one-dimensional Fe nanowires. Physical Review B, 2008, 78, .	3.2	15
130	Surface Diffusion and Interaction of Metastable Formate on Ni(110) Investigated by Low-temperature Scanning Tunneling Microscopy. Chemistry Letters, 2008, 37, 914-915.	1.3	6
131	Luminescence from 3,4,9,10-perylenetetracarboxylic dianhydride on Ag(111) surface excited by tunneling electrons in scanning tunneling microscopy. Journal of Chemical Physics, 2008, 129, 014701.	3.0	20
132	Deposition and crystallization studies of thin amorphous solid water films on Ru(0001) and on CO-precovered Ru(0001). Journal of Chemical Physics, 2007, 127, 094703.	3.0	42
133	Morphological change during crystallization of thin amorphous solid water films on Ru(0001). Journal of Chemical Physics, 2007, 126, 181103.	3.0	29
134	Scanning Tunneling Microscopy Observations of Benzoic Acid Molecules Coadsorbed with Single-Walled Carbon Nanotubes on Au(111) surface. Japanese Journal of Applied Physics, 2007, 46, 5572.	1.5	10
135	Electronic states of the DNA polynucleotides poly(dG)-poly(dC) in the presence of iodine. Physical Review B, 2007, 75, .	3.2	16
136	Electronic structure and magnetism of one-dimensional Fe monatomic wires on Au(788) investigated with ARPES and XMCD. Physical Review B, 2007, 75, .	3.2	15
137	Adsorption mechanism of aligned single wall carbon nanotubes at well defined metal surfaces. Journal of Vacuum Science & Technology B, 2007, 25, 1143-1146.	1.3	11
138	Reversible Control of Hydrogenation of a Single Molecule. Science, 2007, 316, 1883-1886.	12.6	77
139	First-principles calculations of hydrogen diffusion on rutile TiO ₂ (110) surfaces. Journal of Chemical Physics, 2007, 127, 104709.	3.0	41
140	Hierarchical Chiral Framework Based on a Rigid Adamantane Tripod on Au(111). Journal of the American Chemical Society, 2007, 129, 2511-2515.	13.7	97
141	Selective Chain Reaction of Acetone Leading to the Successive Growth of Mutually Perpendicular Molecular Lines on the Si(100)-(2 \times 1)-H Surface. Journal of the American Chemical Society, 2007, 129, 12304-12309.	13.7	36
142	Competing Forward and Reversed Chain Reactions in One-Dimensional Molecular Line Growth on the Si(100) $\sqrt{2} \times \sqrt{2}$ -1-H Surface. Journal of the American Chemical Society, 2007, 129, 3328-3332.	13.7	43
143	Different Adsorbed States of 1,4-Cyclohexadiene on Si(001) Controlled by Substrate Temperature. Journal of Physical Chemistry C, 2007, 111, 2557-2564.	3.1	12
144	Vibrationally Induced Inelastic Structures in Laser Photoemission Spectra. Hyomen Kagaku, 2007, 28, 378-384.	0.0	0

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145	Ab-initio Calculation Method for Electronic Structures of Charged Surfaces Using Repeated Slab and Density-Variable Charge Sheets. Journal of the Physical Society of Japan, 2007, 76, 044701.	1.6	13
146	Geometrical characterization of adenine and guanine on Cu(110) by NEXAFS, XPS, and DFT calculation. Surface Science, 2007, 601, 5433-5440.	1.9	67
147	The distinct vibrational signature of grain-boundary water in nano-crystalline ice films. Chemical Physics Letters, 2007, 448, 121-126.	2.6	9
148	EC-STM observation on electrochemical response of fluidic phospholipid monolayer on Au(111) modified with 1-octanethiol. Electrochemistry Communications, 2007, 9, 645-650.	4.7	12
149	Adsorption of Unsaturated Hydrocarbon Moieties on H:Si(111) by Grignard Reaction. Journal of Physical Chemistry B, 2006, 110, 7357-7366.	2.6	15
150	Photoassisted Adsorption of Allylamine and 1-Butene on H:Si(111) Studied by Surface Vibrational Spectroscopies. Journal of Physical Chemistry B, 2006, 110, 6740-6749.	2.6	21
151	Single Molecule Observations of the Adsorption Sites of Methyl Isocyanide on Pt(111) by Low-Temperature Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2006, 110, 20344-20349.	2.6	15
152	Surface Structure and Interface Dynamics of Alkanethiol Self-Assembled Monolayers on Au(111). Journal of Physical Chemistry B, 2006, 110, 2793-2797.	2.6	105
153	Points for Debate on the Generation Mechanism of Catalytic Activity of Au/TiO ₂ -Developments of Investigation using the Model Catalysts-. Hyomen Kagaku, 2006, 27, 319-325.	0.0	4
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155	Local structure and assembly of formate adsorbed on Ni(110): Low temperature scanning tunneling microscopy study. Chemical Physics Letters, 2006, 427, 379-382.	2.6	8
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