

Jun Yoshinobu

List of Publications by Year in descending order

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173
papers

4,335
citations

117625

34
h-index

144013

57
g-index

173
all docs

173
docs citations

173
times ranked

4012
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenomics: Efficient and Selective Hydrogenation of Stable Molecules Utilizing Three Aspects of Hydrogen. <i>Catalysis Letters</i> , 2022, 152, 1583-1597.	2.6	9
2	Tracking Ultrafast Change of Multiterahertz Broadband Response Functions in a Photoexcited Dirac Semimetal Cd ₃ As ₂ Thin Film. <i>Nano Letters</i> , 2022, 22, 2358-2364.	9.1	9
3	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2022, 587, 152797.	6.1	7
4	Adsorption, Desorption, and Decomposition of Formic Acid on Cu(977): The Importance of Facet of the Step. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8354-8363.	3.1	4
5	Special Issue "Advanced Materials and Their Properties Investigated by Synchrotron Radiation": Vacuum and Surface Science, 2022, 65, 216-217.	0.1	0
6	Materials Science Research by Ambient Pressure X-ray Photoelectron Spectroscopy Systems at Synchrotron Radiation Facilities in Japan: Applications in Energy, Catalysis, and Sensors. <i>Synchrotron Radiation News</i> , 2022, 35, 19-25.	0.8	1
7	Substrate-Selective Intermolecular Interaction and the Molecular Self-Assemblies: 1,3,5-Tris(4-bromophenyl)benzene Molecules on the Ag(111) and Si(111) ($\sqrt{3} \times \sqrt{3}$)-Ag Surfaces. <i>Langmuir</i> , 2022, 38, 8881-8889.	3.5	2
8	Structure and electronic structure of van der Waals interfaces at a Au(1 1 1) surface covered with a well-ordered molecular layer of n-alkanes. <i>Applied Surface Science</i> , 2021, 535, 147673.	6.1	2
9	Role of Intermolecular Interactions in the Catalytic Reaction of Formic Acid on Cu(111). <i>Small</i> , 2021, 17, e2008010.	10.0	13
10	Band Bending of n-GaN under Ambient H ₂ O Vapor Studied by X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9011-9019.	3.1	6
11	Theoretical study on adsorption and reaction of polymeric formic acid on the Cu(111) surface. <i>Physical Review Materials</i> , 2021, 5, .	2.4	4
12	C-H Bond Activation of Methane through Electronic Interaction with Pd(110). <i>Journal of Physical Chemistry C</i> , 2021, 125, 1368-1377.	3.1	8
13	Adsorption of CO ₂ on Terrace, Step, and Defect Sites on Pt Surfaces: A Combined TPD, XPS, and DFT Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23657-23668.	3.1	12
14	Comparative Study of H ₂ O and O ₂ Adsorption on the GaN Surface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25807-25815.	3.1	5
15	Energy Conversion and Transport at Interfaces and Contemporary Issues. <i>Vacuum and Surface Science</i> , 2021, 64, 539-539.	0.1	0
16	A computational examination of the electric-field-induced proton transfer along the interface hydrogen bond between proton donating and accepting self-assembled monolayers. <i>Chemical Physics Letters</i> , 2020, 741, 137091.	2.6	5
17	Emergence of nearly flat bands through a kagome lattice embedded in an epitaxial two-dimensional Ge layer with a bitriangular structure. <i>Physical Review B</i> , 2020, 102, .	3.2	4
18	Formation of BN-covered silicene on ZrB ₂ /Si(111) by adsorption of NO and thermal processes. <i>Journal of Chemical Physics</i> , 2020, 153, 064702.	3.0	5

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19	Atomistic-Level Description of GaN/Water Interface by a Combined Spectroscopic and First-Principles Computational Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12466-12475.	3.1	6
20	The roles of step-site and zinc in surface chemistry of formic acid on clean and Zn-modified Cu(111) and Cu(997) surfaces studied by HR-XPS, TPD, and IRAS. <i>Journal of Chemical Physics</i> , 2020, 152, 044703.	3.0	14
21	Surface Chemistry of Carbon Dioxide on Copper Model Catalysts Studied by Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2019, 17, 169-178.	0.4	13
22	Intra-dimer row and inter-dimer row coupling of the vibrational modes of chemisorbed CO on Si(001)-c(4Å ²) observed by angle-dependent transmission infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 151, 074702.	3.0	1
23	Reversible low-temperature redox activity and selective oxidation catalysis derived from the concerted activation of multiple metal species on Cr and Rh-incorporated ceria catalysts. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20868-20877.	2.8	7
24	CO ₂ Activation and Reaction on Zn-Deposited Cu Surfaces Studied by Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>ACS Catalysis</i> , 2019, 9, 4539-4550.	11.2	38
25	Mass transport in the PdCu phase structures during hydrogen adsorption and absorption studied by XPS under hydrogen atmosphere. <i>Applied Surface Science</i> , 2019, 480, 419-426.	6.1	10
26	Direct Evidence of Interfacial Hydrogen Bonding in Proton-Electron Concerted 2D Organic Bilayer on Au Substrate. <i>E-Journal of Surface Science and Nanotechnology</i> , 2019, 17, 49-55.	0.4	5
27	H ² Exchange Mechanism of Butene on a D-Absorbed Pd ¹⁰⁰ Au Alloy Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7854-7860.	3.1	1
28	Hydrogen adsorption and absorption on a Pd-Ag alloy surface studied using in-situ X-ray photoelectron spectroscopy under ultrahigh vacuum and ambient pressure. <i>Applied Surface Science</i> , 2019, 463, 1161-1167.	6.1	21
29	Strong Hydrogen Bonds at the Interface between Proton-Donating and -Accepting Self-Assembled Monolayers on Au(111). <i>Langmuir</i> , 2018, 34, 2189-2197.	3.5	16
30	Initial gas exposure effects on monolayer pentacene field-effect transistor studied using four gallium indium probes. <i>Organic Electronics</i> , 2018, 54, 34-39.	2.6	3
31	Atomic Structure and Local Electronic States of Single Pt Atoms Dispersed on Graphene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27292-27300.	3.1	19
32	An Ethynylene-Bridged Pentacene Dimer: Two-Step Synthesis and Charge Transport Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 14916-14920.	3.3	5
33	Enhancement of CO ₂ adsorption on oxygen-functionalized epitaxial graphene surface under near-ambient conditions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19532-19538.	2.8	19
34	Infrared Reflection-Absorption Spectroscopy. , 2018, , 295-299.		0
35	Adsorption of CO ₂ on Graphene: A Combined TPD, XPS, and vdW-DF Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2807-2814.	3.1	76
36	Electronic states and growth modes of Zn atoms deposited on Cu(111) studied by XPS, UPS and DFT. <i>Surface Science</i> , 2017, 663, 1-10.	1.9	25

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37	Single-particle excitation of core states in epitaxial silicene. <i>Physical Review B</i> , 2017, 95, .	3.2	13
38	Systematic Study of Adsorption and the Reaction of Methanol on Three Model Catalysts: Cu(111), Znâ€“Cu(111), and Oxidized Znâ€“Cu(111). <i>Journal of Physical Chemistry C</i> , 2017, 121, 25402-25410.	3.1	17
39	Highly anisotropic mobility in solution processed TIPS-pentacene film studied by independently driven four GaIn probes. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	9
40	CO ₂ adsorption on the copper surfaces: van der Waals density functional and TPD studies. <i>Journal of Chemical Physics</i> , 2017, 147, 094702.	3.0	47
41	Electronic states and electrical conductivity of the Si(111) native oxide surface adsorbed with electron donor tetrakis(dimethylamino)ethylene. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	1
42	Observation of Fano line shapes in infrared vibrational spectra of CO ₂ adsorbed on Cu(997) and Cu(111). <i>Journal of Chemical Physics</i> , 2016, 144, 054703.	3.0	13
43	Mechanism of Olefin Hydrogenation Catalysis Driven by Palladium-Dissolved Hydrogen. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11481-11489.	3.1	32
44	The chemistry of simple alkene molecules on Si(100)c(4 Å– 2): The mechanism of cycloaddition and their selectivities. <i>Surface Science</i> , 2016, 652, 304-311.	1.9	9
45	Photoelectrochemical water splitting enhanced by self-assembled metal nanopillars embedded in an oxide semiconductor photoelectrode. <i>Nature Communications</i> , 2016, 7, 11818.	12.8	70
46	Real-Time Observation of Reaction Processes of CO ₂ on Cu(997) by Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>Topics in Catalysis</i> , 2016, 59, 526-531.	2.8	34
47	Quantitative analysis of desorption and decomposition kinetics of formic acid on Cu(111): The importance of hydrogen bonding between adsorbed species. <i>Journal of Chemical Physics</i> , 2015, 143, 234707.	3.0	19
48	Configuration change of NO on Cu(110) as a function of temperature. <i>Journal of Chemical Physics</i> , 2014, 140, 214706.	3.0	11
49	Interface state and energy level alignment of F4-TCNQ sandwiched between a pentacene film and the ethylene-terminated Si(100) surface. <i>Organic Electronics</i> , 2014, 15, 356-364.	2.6	11
50	Aqueous-Phase Oxidation of Epitaxial Graphene on the Silicon Face of SiC(0001). <i>Journal of Physical Chemistry C</i> , 2014, 118, 1014-1020.	3.1	14
51	Quantitative analysis of chemical interaction and doping of the Si(111) native oxide surface with tetrafluorotetracyanoquinodimethane. <i>Journal of Applied Physics</i> , 2014, 115, 143709.	2.5	5
52	Electronic Structure and Photoelectrochemical Properties of an Ir-Doped SrTiO ₃ Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20222-20228.	3.1	63
53	The Quantum Nature of C–H–Metal Interaction: Vibrational Spectra and Kinetic and Geometric Isotope Effects of Adsorbed Cyclohexane. <i>Chemical Record</i> , 2014, 14, 848-856.	5.8	14
54	Monolayer Selective Methylation of Epitaxial Graphene on SiC(0001) through Two-Step Chlorination–Alkylation Reactions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22096-22101.	3.1	20

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55	Core level excitationsâ€”A fingerprint of structural and electronic properties of epitaxial silicene. <i>Journal of Chemical Physics</i> , 2014, 140, 184704.	3.0	22
56	Electronic structure of 1 \pm -sexithiophene ultrathin films grown on passivated Si(001) surfaces. <i>Applied Surface Science</i> , 2014, 307, 520-524.	6.1	6
57	Structure and Photo-Induced Charge Transfer of Pyridine Molecules Adsorbed on TiO ₂ (110): A NEXAFS and Core-Hole-Clock Study. <i>Electrochemistry</i> , 2014, 82, 341-345.	1.4	2
58	Site-specific chemical states of adsorbed CO on Pt(997): A high resolution XPS study. <i>Surface Science</i> , 2013, 608, 220-225.	1.9	15
59	Spectroscopic Characterization and Transport Properties of Aromatic Monolayers Covalently Attached to Si(111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7497-7505.	3.1	18
60	Energy level alignment of cyclohexane on Rh(111) surfaces: The importance of interfacial dipole and final-state screening. <i>Journal of Chemical Physics</i> , 2013, 138, 044702.	3.0	7
61	Kinetic and Geometric Isotope Effects in Cyclohexane Adsorbed on Rh(111). <i>Hyomen Kagaku</i> , 2013, 34, 437-442.	0.0	0
62	What Do You Study Science For?. <i>Hyomen Kagaku</i> , 2013, 34, 403-403.	0.0	0
63	Potential Energy Surface of NO on Pt(997): Adsorbed States and Surface Diffusion. <i>Advances in Physical Chemistry</i> , 2012, 2012, 1-9.	2.0	0
64	Kinetic and geometric isotope effects originating from different adsorption potential energy surfaces: Cyclohexane on Rh(111). <i>Journal of Chemical Physics</i> , 2012, 136, 214705.	3.0	17
65	Epitaxial Rh-doped SrTiO ₃ thin film photocathode for water splitting under visible light irradiation. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	71
66	Elucidation of Rh-Induced In-Gap States of Rh:Rh ₃ Visible-Light-Driven Photocatalyst by Soft X-ray Spectroscopy and First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24445-24448.	3.1	89
67	Chemically homogeneous and thermally reversible oxidation of epitaxial graphene. <i>Nature Chemistry</i> , 2012, 4, 305-309.	13.6	300
68	Real-space observation of local anisotropic correlation between buckled dimers on Si(100) induced by a bidentate adsorbed molecule. <i>Chemical Communications</i> , 2011, 47, 10392.	4.1	4
69	Two-dimensional superstructures and softened Câ€”H stretching vibrations of cyclohexane on Rh(111): Effects of preadsorbed hydrogen. <i>Journal of Chemical Physics</i> , 2011, 135, 234704.	3.0	9
70	Reactive rearrangements of step atoms by adsorption and asymmetric electronic states of tetrafluoro-tetracyanoquinodimethane on Cu(100). <i>Physical Review B</i> , 2011, 83, .	3.2	14
71	Independently driven four-probe method for local electrical characteristics in organic thin-film transistors under controlled channel potential. <i>Review of Scientific Instruments</i> , 2011, 82, 093902.	1.3	6
72	Molecular Orientation of the Decyl Monolayer Chemically Bonded to Si(111) Determined by Angle-Dependent Transmission Infrared Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 115701.	1.5	1

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73	Charge Transfer and Molecular Orientation of Tetrafluoro-tetracyanoquinodimethane on a Hydrogen-Terminated Si(111) Surface Prepared by a Wet Chemical Method. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1655-1659.	4.6	20
74	Thermally Activated Transformation from a Charge-Transfer State to a Rehybridized State of Tetrafluoro-tetracyanoquinodimethane on Cu(100). <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2917-2921.	4.6	18
75	Electronic States of Acceptor Molecules Adsorbed on Solids and Surface Transfer Doping. <i>Hyomen Kagaku</i> , 2009, 30, 22-27.	0.0	0
76	Low-temperature observation of the softened C-H stretching vibrations of cyclohexane on Rh(111). <i>Physical Review B</i> , 2009, 80, .	3.2	10
77	Low-Temperature Surface Photochemistry of π -bonded Ethylene on Si(100) $(4\text{\AA}-2)$. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 08JB14.	1.5	2
78	Observation of charge transfer states of F4-TCNQ on the 2-methylpropene chemisorbed Si(1 0 0) $(2\text{\AA}-1)$ surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 174, 55-58.	1.7	18
79	Adsorption States and Diffusion Processes of NO Molecules on Pt(997). <i>Journal of the Vacuum Society of Japan</i> , 2009, 52, 56-60.	0.3	0
80	Low-Temperature STM and UPS Study of Adsorption States of 1,4-Cyclohexadiene on Si(100) $(4\text{\AA}-2)$. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15009-15014.	3.1	2
81	A miniature effusion cell for the vacuum deposition of organic solids with low vapor pressures in surface science studies. <i>Review of Scientific Instruments</i> , 2008, 79, 076107.	1.3	17
82	Direct Observation of Valence and Conduction States near the SiO ₂ /Si(100) Interface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 209-212.	0.4	2
83	CYCLOADDITION REACTION BETWEEN ORGANIC MOLECULES AND Si(100) AND ELECTRONIC PROPERTIES OF ADSORBED MOLECULES. <i>International Journal of Nanoscience</i> , 2007, 06, 95-102.	0.7	1
84	Transient diffusion and cluster formation of water molecules on Rh(111) at 20K. <i>Journal of Chemical Physics</i> , 2007, 126, 141102.	3.0	9
85	Soft X-Ray Absorption and Emission Study of Silicon Oxynitride/Si(100) Interface. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L77-L79.	1.5	5
86	Regioselective Cycloaddition Reaction of Alkene Molecules with the Asymmetric Dimer on Si(100) $(4\text{\AA}-2)$. <i>Journal of the American Chemical Society</i> , 2007, 129, 1242-1245.	13.7	7
87	Adsorption States and Dissociation Processes of Oxygen Molecules on Cu(100) at Low Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15059-15063.	3.1	11
88	Different Adsorbed States of 1,4-Cyclohexadiene on Si(001) Controlled by Substrate Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2557-2564.	3.1	12
89	Fabrication and analysis of buried iron silicide microstructures using a focused low energy electron beam. <i>Surface Science</i> , 2007, 601, 5108-5111.	1.9	6
90	Compact UHV system for fabrication and in situ analysis of electron beam deposited structures using a focused low energy electron beam. <i>Review of Scientific Instruments</i> , 2006, 77, 053702.	1.3	8

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91	Direct observation of the site-specific valence electronic structure at SiO ₂ /Si(111) interface. E-Journal of Surface Science and Nanotechnology, 2006, 4, 280-284.	0.4	2
92	Search for adsorption potential energy minima of NO on Pt(997) at 11K. Surface Science, 2006, 600, 3560-3563.	1.9	8
93	Adsorption states of NO on the Pt(111) step surface. Surface Science, 2006, 600, 3477-3483.	1.9	22
94	Direct observation of site-specific valence electronic structure at the SiO ₂ /Si interface. Physical Review B, 2006, 73, .	3.2	31
95	Water Adsorption on Rh(111) at 20 K: From Monomer to Bulk Amorphous Ice. Journal of Physical Chemistry B, 2005, 109, 5816-5823.	2.6	38
96	Precursor Mediated Cycloaddition Reaction of Ethylene on Si(100)c(4*2). Hyomen Kagaku, 2005, 26, 474-479.	0.0	0
97	Site-specific Observation of the Valence Electronic Structure at SiO ₂ /Si Interface by Means of Soft X-ray Absorption and Emission Spectroscopy. Hyomen Kagaku, 2005, 26, 514-517.	0.0	1
98	Residual gas effects on high-resolution Si2p spectra of Si(100)c(4*2). Surface Science, 2004, 566-568, 467-470.	1.9	6
99	Ground state of the Si(001) surface revisited? is seeing believing?. Progress in Surface Science, 2004, 76, 147-162.	8.3	47
100	Physical properties and chemical reactivity of the buckled dimer on Si(100). Progress in Surface Science, 2004, 77, 37-70.	8.3	133
101	Structural and chemical property of unsaturated cyclic-hydrocarbon molecules regularly chemisorbed on Si(0 0 1) surface. Applied Surface Science, 2004, 234, 162-167.	6.1	12
102	Selective functionalization of the Si(100) surface by switching the adsorption linkage of a bifunctional organic molecule. Chemical Physics Letters, 2004, 388, 27-30.	2.6	14
103	Low-energy electron-stimulated chemical reactions of CO in water ice. Chemical Physics Letters, 2004, 388, 384-388.	2.6	14
104	Precursor Mediated Cycloaddition Reaction of Ethylene to the Si(100)c(4 * 2) Surface. Journal of the American Chemical Society, 2004, 126, 9922-9923.	13.7	55
105	The Precursor Mediated Chemisorption of Vinyl Bromide on Si(100)c(4*2). Journal of Physical Chemistry B, 2004, 108, 5703-5708.	2.6	22
106	Highly Selective Surface Lewis Acid-Base Reaction: Trimethylamine on Si(100)c(4*2). Journal of Physical Chemistry B, 2004, 108, 4737-4742.	2.6	26
107	Vibrational structure in C 1s photoelectron spectra of ethylene on the Si(100)(2*1) surface. Chemical Physics Letters, 2003, 374, 476-481.	2.6	9
108	Electronic states and chemical reactivity of Si(100)c(4*2) surface at low temperature studied by high resolution Si 2p core level photoelectron spectroscopy. Surface Science, 2003, 532-535, 716-720.	1.9	3

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109	Adsorbed states of 1,1,1-trifluoro-2-propanol on Si(100). Surface Science, 2003, 529, 288-294.	1.9	2
110	Intermolecular interaction and arrangements of adsorbed 1,4-cyclohexadiene molecules on Si(100)(2 \times 1). Surface Science, 2003, 531, 199-207.	1.9	13
111	Purely Site-Specific Chemisorption and Conformation of Trimethylamine on Si(100)c(4 \times 2). Journal of the American Chemical Society, 2003, 125, 9252-9253.	13.7	24
112	Microscopic observation of precursor-mediated adsorption process of NH ₃ on Si(100)c(4 \times 2) using STM. Physical Review B, 2003, 68, .	3.2	41
113	Model for C defect on Si(100): $\hat{\epsilon}$, $\hat{\epsilon}$, The dissociative adsorption of a single water molecule on two adjacent dimers. Physical Review B, 2003, 67, .	3.2	77
114	Microscopic adsorption process of CO on Si(100)c(4 \times 2) by means of low-temperature scanning tunneling microscopy. Physical Review B, 2003, 68, .	3.2	15
115	Lateral Displacement by Transient Mobility in Chemisorption of CO on Pt(997). Physical Review Letters, 2003, 90, 248301.	7.8	43
116	Vibrational Structure of Adsorbates As Revealed by High Resolution Core Level Photoelectron Spectra. Hyomen Kagaku, 2003, 24, 301-305.	0.0	0
117	Site-specific fragmentation caused by core-level photoionization: Effect of chemisorption. Journal of Chemical Physics, 2002, 117, 3961-3971.	3.0	17
118	Direct Evidence for Asymmetric Dimer on Si(100) at Low Temperature by Means of High-Resolution Si 2p Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2002, 41, L272-L274.	1.5	20
119	Electronic and Vibrational States of Cyclopentene on Si(100)(2 \times 1). Journal of Physical Chemistry B, 2002, 106, 1691-1696.	2.6	21
120	Chemical nature of nanostructures of La _{0.6} Sr _{0.4} MnO ₃ on SrTiO ₃ (100). Surface Science, 2002, 514, 54-59.	1.9	40
121	Estimation of direct and indirect interactions between CO molecules on Pd(110). Surface Science, 2002, 513, 239-248.	1.9	15
122	Nature of interface bonding of ethylene and benzene with Si(100)c(4 \times 2): angle-dependent Si 2p high resolution photoelectron spectroscopy studies. Surface Science, 2002, 513, 413-421.	1.9	21
123	Bonding and Structure of 1,4-Cyclohexadiene Chemisorbed on Si(100)(2 \times 1). Journal of Physical Chemistry B, 2001, 105, 3718-3723.	2.6	40
124	High resolution Si 2p photoelectron spectroscopy of unsaturated hydrocarbon molecules adsorbed on Si(100)c(4 \times 2): the interface bonding and charge transfer between the molecule and the Si substrate. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 389-393.	1.7	20
125	Reaction mechanism and adsorbed states of cyclohexene on Si(100)(2 \times 1). Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 383-387.	1.7	18
126	Adsorbed states of cyclopentene, cyclohexene, and 1,4-cyclohexadiene on Si(100)(2 \times 1): towards the fabrication of novel organic films/Si hybrid structures. Applied Surface Science, 2001, 169-170, 172-175.	6.1	19

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127	Lateral interactions of CO in the (2 $\sqrt{3}$ ×1)p2mg structure on Pd(110): Force constants between tilted CO molecules. <i>Journal of Chemical Physics</i> , 2000, 112, 1925-1936.	3.0	31
128	Orientation and symmetry of ethylene on Pd(110): A combined HREELS and NEXAFS study. <i>Journal of Chemical Physics</i> , 2000, 112, 5948-5956.	3.0	17
129	Adsorption state of 1,4-cyclohexadiene on Si(100)(2 $\sqrt{3}$ ×1). <i>Physical Review B</i> , 2000, 62, 7576-7580.	3.2	39
130	An electron energy loss spectroscopy study of resonance population in ethylene chemisorbed on Pd(110). <i>Journal of Chemical Physics</i> , 2000, 113, 2866-2872.	3.0	15
131	Clustering behavior of water (D ₂ O) on Pt(111). <i>Journal of Chemical Physics</i> , 1999, 111, 7003-7009.	3.0	72
132	Switching in the Molecular Orientation Ruled by Steric Repulsion of Adsorbed CO on Pd(110). <i>Physical Review Letters</i> , 1999, 82, 1899-1902.	7.8	36
133	Surface matrix isolation method for photoinduced oxidation of carbon monoxide on Pt(111). <i>Journal of Molecular Catalysis A</i> , 1999, 141, 57-61.	4.8	4
134	Molecular rearrangement induced by hydrogen co-adsorption: C ₂ H ₄ on Pd(110). <i>Chemical Physics Letters</i> , 1999, 310, 451-458.	2.6	7
135	Direct Observation of Molecule-Substrate Antibonding States near the Fermi Level in Pd(110)-c(4 $\sqrt{3}$ ×2)-Benzene. <i>Physical Review Letters</i> , 1997, 79, 3942-3945.	7.8	29
136	Direct observation of the molecular interaction between chemisorbed CO and water overlayer on Pt(111). <i>Surface Science</i> , 1997, 386, 73-77.	1.9	31
137	Temporal and local reduction of adsorption potential energy under gas phase: CO on Ni(100) and Pt(111). <i>Surface Science</i> , 1996, 363, 85-90.	1.9	10
138	Initial adsorption sites of CO on Pt(111) and Ni(100) at low temperature. <i>Surface Science</i> , 1996, 363, 105-111.	1.9	45
139	Broken symmetry of adsorbed methane and self-limiting photoinduced dissociation on Pt(111). <i>Surface Science</i> , 1996, 363, 234-239.	1.9	14
140	Adsorption of pyrimidine molecules on Pd(110) observed by scanning tunneling microscopy. <i>Surface Science</i> , 1996, 360, 50-54.	1.9	16
141	Adsorption and interlayer mixing of methane on Ni(100) at 20 K. <i>Surface Science</i> , 1996, 368, 247-252.	1.9	11
142	Direct and indirect mechanisms in site occupation of CO molecules on Ni(100) and Pt(111). <i>Surface Science</i> , 1996, 368, 239-246.	1.9	19
143	Adsorption, migration, and superlattice formation of benzene on Pd(110). <i>Physical Review B</i> , 1996, 53, 7492-7495.	3.2	28
144	Imaging of Nucleic Acid Base Molecules on Pd(110) Surfaces by Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L244-L246.	1.5	21

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145	Adsorption and Dimer Formation of Nitrogen Monoxide on Pt(111) at Low Temperature. Chemistry Letters, 1995, 24, 605-606.	1.3	27
146	Elucidation of hydrogen-induced ($1\sqrt{2}$) reconstructed structures on Pd(110) from 100 to 300 K by scanning tunneling microscopy. Physical Review B, 1995, 51, 4529-4532.	3.2	34
147	Symmetry Controlled Surface Photochemistry of Methane on Pt(111). Physical Review Letters, 1995, 75, 2176-2179.	7.8	41
148	Thermal excitation of oxygen species as a trigger for the CO oxidation on Pt(111). Journal of Chemical Physics, 1995, 103, 3220-3229.	3.0	98
149	Oxygen-induced reconstruction of the Pd(110) surface: an STM study. Surface Science, 1995, 327, L505-L509.	1.9	88
150	The reactivity of molecular and atomic oxygen in oxygen-exchange reaction between NO and O ₂ coadsorbed on a Pt(111) surface. Journal of Chemical Physics, 1995, 103, 4757-4764.	3.0	19
151	Temporal and Local Reduction of a Potential Energy Well under Dynamic Equilibrium: CO on Ni(100). Physical Review Letters, 1994, 73, 292-295.	7.8	34
152	Stability of adsorbed states and site-conversion kinetics: CO on Ni(100). Physical Review B, 1994, 49, 16670-16677.	3.2	35
153	Water adsorption on Pt(111): from isolated molecule to three-dimensional cluster. Chemical Physics Letters, 1994, 231, 188-192.	2.6	82
154	Special Issue on Recent Progress of Vibrational Spectroscopy at Surfaces. Dynamical Behavior of CO on Metal Surfaces.. Hyomen Kagaku, 1994, 15, 132-138.	0.0	0
155	Site conversion of CO on Ni(100): binding-energy difference and role of low-energy hindered vibrations. Chemical Physics Letters, 1993, 211, 48-52.	2.6	28
156	Direct observation of isothermal adsorption and desorption processes of CO on the Ni(100) surface. Chemical Physics Letters, 1993, 215, 120-124.	2.6	14
157	Elementary Chemical-Reaction Processes on Silicon Surfaces*1. Japanese Journal of Applied Physics, 1993, 32, 1171-1181.	1.5	34
158	Acetylene adsorption on Si(111)($7\sqrt{7}$): A scanning-tunneling-microscopy study. Physical Review B, 1992, 46, 9520-9524.	3.2	54
159	Chemisorption and thermal decomposition of ethylene on clean and modified Pd(110) surfaces: electron energy loss spectroscopy, low-energy electron diffraction, and thermal desorption studies. Surface Science, 1991, 242, 493-497.	1.9	11
160	Ultraviolet photodesorption of CO from NiO as measured by infrared spectroscopy. Surface Science, 1991, 255, 295-302.	1.9	31
161	Ethanol decomposition on Ni(111): observation of ethoxy formation by IRAS and other methods. Surface Science, 1991, 256, 288-300.	1.9	77
162	N ₂ chemisorption on Ni(111). An infrared investigation under steady-state conditions. Journal of Chemical Physics, 1991, 95, 9393-9400.	3.0	35

#	ARTICLE	IF	CITATIONS
163	Photon-induced processes for chemisorbed O ₂ on Pd(111): effect of light polarization. <i>Chemical Physics Letters</i> , 1990, 169, 209-212.	2.6	19
164	Photodesorption of NO from chemically modified Ni(111) surfaces. <i>Journal of Chemical Physics</i> , 1990, 92, 7700-7707.	3.0	32
165	Photon-induced desorption of CO chemisorbed on the oxidized Ni(111) surface. <i>Journal of Chemical Physics</i> , 1990, 92, 4320-4326.	3.0	29
166	Hydrogen-induced ordering of Cs atoms on the Pd(110)-(1 \times 2)Cs surface. <i>Physical Review B</i> , 1989, 40, 1308-1311.	3.2	4
167	Chemisorption and thermal decomposition of ethylene on Pd(110): Electron energy loss spectroscopy, low-energy electron diffraction, and thermal desorption spectroscopy studies. <i>Journal of Chemical Physics</i> , 1989, 90, 5114-5127.	3.0	73
168	Observation of the surface vibrational resonances on Pd(110). <i>Physical Review B</i> , 1988, 38, 1520-1522.	3.2	6
169	Double-pass high-resolution vibrational electron energy loss spectrometer. <i>Review of Scientific Instruments</i> , 1987, 58, 307-308.	1.3	9
170	The adsorbed states of ethylene on Si(100) _c (4 \times 2), Si(100)(2 \times 1), and vicinal Si(100) 9 \times : Electron energy loss spectroscopy and low-energy electron diffraction studies. <i>Journal of Chemical Physics</i> , 1987, 87, 7332-7340.	3.0	257
171	The adsorption and thermal decomposition of acetylene on Si(100) and vicinal Si(100)9 \times . <i>Surface Science</i> , 1987, 192, 383-397.	1.9	187
172	Rehybridization of acetylene on the Si(111) (7 \times 7) surface - a vibrational study. <i>Chemical Physics Letters</i> , 1986, 130, 170-174.	2.6	71
173	Interaction of ethylene with the Si(111)(7 \times 7) surface- A vibrational study. <i>Solid State Communications</i> , 1986, 60, 801-805.	1.9	66