

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	Chemically homogeneous and thermally reversible oxidation of epitaxial graphene. <i>Nature Chemistry</i> , 2012, 4, 305-309.	13.6	300
2	The adsorbed states of ethylene on Si(100)c(4Å–2), Si(100)(2Å–1), and vicinal Si(100) 9Å°: Electron energy loss spectroscopy and low-energy electron diffraction studies. <i>Journal of Chemical Physics</i> , 1987, 87, 7332-7340.	3.0	257
3	The adsorption and thermal decomposition of acetylene on Si(100) and vicinal Si(100)9Å°. <i>Surface Science</i> , 1987, 192, 383-397.	1.9	187
4	Physical properties and chemical reactivity of the buckled dimer on Si(100). <i>Progress in Surface Science</i> , 2004, 77, 37-70.	8.3	133
5	Thermal excitation of oxygen species as a trigger for the CO oxidation on Pt(111). <i>Journal of Chemical Physics</i> , 1995, 103, 3220-3229.	3.0	98
6	Elucidation of Rh-Induced In-Gap States of Rh:SrTiO 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
7	Oxygen-induced reconstruction of the Pd(110) surface: an STM study. <i>Surface Science</i> , 1995, 327, L505-L509.	1.9	88
8	Water adsorption on Pt(111): from isolated molecule to three-dimensional cluster. <i>Chemical Physics Letters</i> , 1994, 231, 188-192.	2.6	82
9	Ethanol decomposition on Ni(111): observation of ethoxy formation by IRAS and other methods. <i>Surface Science</i> , 1991, 256, 288-300.	1.9	77
10	Model for C defect on Si(100): The dissociative adsorption of a single water molecule on two adjacent dimers. <i>Physical Review B</i> , 2003, 67, .	3.2	77
11	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
12	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
13	Clustering behavior of water (D ₂ O) on Pt(111). <i>Journal of Chemical Physics</i> , 1999, 111, 7003-7009.	3.0	72
14	Rehybridization of acetylene on the Si(111) (7 Å–7) surface - a vibrational study. <i>Chemical Physics Letters</i> , 1986, 130, 170-174.	2.6	71
15	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
16	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
17	Interaction of ethylene with the Si(111)(7Å–7) surface- A vibrational study. <i>Solid State Communications</i> , 1986, 60, 801-805.	1.9	66
18	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

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19	Precursor Mediated Cycloaddition Reaction of Ethylene to the Si(100)c(4 Å– 2) Surface. Journal of the American Chemical Society, 2004, 126, 9922-9923.	13.7	55
20	Acetylene adsorption on Si(111)(7Å–7): A scanning-tunneling-microscopy study. Physical Review B, 1992, 46, 9520-9524.	3.2	54
21	Ground state of the Si(001) surface revisited?is seeing believing?. Progress in Surface Science, 2004, 76, 147-162.	8.3	47
22	CO ₂ adsorption on the copper surfaces: van der Waals density functional and TPD studies. Journal of Chemical Physics, 2017, 147, 094702.	3.0	47
23	Initial adsorption sites of CO on Pt(111) and Ni(100) at low temperature. Surface Science, 1996, 363, 105-111.	1.9	45
24	Lateral Displacement by Transient Mobility in Chemisorption of CO on Pt(997). Physical Review Letters, 2003, 90, 248301.	7.8	43
25	Symmetry Controlled Surface Photochemistry of Methane on Pt(111). Physical Review Letters, 1995, 75, 2176-2179.	7.8	41
26	Microscopic observation of precursor-mediated adsorption process of NH ₃ on Si(100)c(4Å–2) using STM. Physical Review B, 2003, 68, .	3.2	41
27	Bonding and Structure of 1,4-Cyclohexadiene Chemisorbed on Si(100)(2Å–1). Journal of Physical Chemistry B, 2001, 105, 3718-3723.	2.6	40
28	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
29	Adsorption state of 1,4-cyclohexadiene on Si(100)(2Å–1). Physical Review B, 2000, 62, 7576-7580.	3.2	39
30	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
31	CO ₂ Activation and Reaction on Zn-Deposited Cu Surfaces Studied by Ambient-Pressure X-ray Photoelectron Spectroscopy. ACS Catalysis, 2019, 9, 4539-4550.	11.2	38
32	Switching in the Molecular Orientation Ruled by Steric Repulsion of Adsorbed CO on Pd(110). Physical Review Letters, 1999, 82, 1899-1902.	7.8	36
33	N ₂ chemisorption on Ni(111). An infrared investigation under steady-state conditions. Journal of Chemical Physics, 1991, 95, 9393-9400.	3.0	35
34	Stability of adsorbed states and site-conversion kinetics: CO on Ni(100). Physical Review B, 1994, 49, 16670-16677.	3.2	35
35	Elementary Chemical-Reaction Processes on Silicon Surfaces*1. Japanese Journal of Applied Physics, 1993, 32, 1171-1181.	1.5	34
36	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

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37	Elucidation of hydrogen-induced ($1\text{\AA}-2$) reconstructed structures on Pd(110) from 100 to 300 K by scanning tunneling microscopy. <i>Physical Review B</i> , 1995, 51, 4529-4532.	3.2	34
38	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
39	Photodesorption of NO from chemically modified Ni(111) surfaces. <i>Journal of Chemical Physics</i> , 1990, 92, 7700-7707.	3.0	32
40	Mechanism of Olefin Hydrogenation Catalysis Driven by Palladium-Dissolved Hydrogen. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11481-11489.	3.1	32
41	Ultraviolet photodesorption of CO from NiO as measured by infrared spectroscopy. <i>Surface Science</i> , 1991, 255, 295-302.	1.9	31
42	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
43	Lateral interactions of CO in the ($2\text{\AA}-1$)p2mg structure on Pd(110): Force constants between tilted CO molecules. <i>Journal of Chemical Physics</i> , 2000, 112, 1925-1936.	3.0	31
44	Direct observation of site-specific valence electronic structure at the SiO ₂ /Si interface. <i>Physical Review B</i> , 2006, 73, .	3.2	31
45	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
46	Direct Observation of Molecule-Substrate Antibonding States near the Fermi Level in Pd(110)-c($4\text{\AA}-2$)-Benzene. <i>Physical Review Letters</i> , 1997, 79, 3942-3945.	7.8	29
47	Site conversion of CO on Ni(100): binding-energy difference and role of low-energy hindered vibrations. <i>Chemical Physics Letters</i> , 1993, 211, 48-52.	2.6	28
48	Adsorption, migration, and superlattice formation of benzene on Pd(110). <i>Physical Review B</i> , 1996, 53, 7492-7495.	3.2	28
49	Adsorption and Dimer Formation of Nitrogen Monoxide on Pt(111) at Low Temperature. <i>Chemistry Letters</i> , 1995, 24, 605-606.	1.3	27
50	Highly Selective Surface Lewis Acid-Base Reaction: Trimethylamine on Si(100)c($4\text{\AA}-2$). <i>Journal of Physical Chemistry B</i> , 2004, 108, 4737-4742.	2.6	26
51	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
52	Purely Site-Specific Chemisorption and Conformation of Trimethylamine on Si(100)c($4\text{\AA}-2$). <i>Journal of the American Chemical Society</i> , 2003, 125, 9252-9253.	13.7	24
53	The Precursor Mediated Chemisorption of Vinyl Bromide on Si(100)c($4\text{\AA}-2$). <i>Journal of Physical Chemistry B</i> , 2004, 108, 5703-5708.	2.6	22
54	Adsorption states of NO on the Pt(111) step surface. <i>Surface Science</i> , 2006, 600, 3477-3483.	1.9	22

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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	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
57	Electronic and Vibrational States of Cyclopentene on Si(100)(2 \times 1). <i>Journal of Physical Chemistry B</i> , 2002, 106, 1691-1696.	2.6	21
58	Nature of interface bonding of ethylene and benzene with Si(100)c(4 \times 2): angle-dependent Si2p high resolution photoelectron spectroscopy studies. <i>Surface Science</i> , 2002, 513, 413-421.	1.9	21
59	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
60	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. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 389-393.	1.7	20
61	Direct Evidence for Asymmetric Dimer on Si(100) at Low Temperature by Means of High-Resolution Si 2p Photoelectron Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L272-L274.	1.5	20
62	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
63	Monolayer Selective Methylation of Epitaxial Graphene on SiC(0001) through Two-Step Chlorinationâ€”Alkylation Reactions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22096-22101.	3.1	20
64	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
65	The reactivity of molecular and atomic oxygen in oxygenâ€”exchange reaction between NO and O ₂ coadsorbed on a Pt(111) surface. <i>Journal of Chemical Physics</i> , 1995, 103, 4757-4764.	3.0	19
66	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
67	Adsorbed states of cyclopentene, cyclohexene, and 1,4-cyclohexadiene on Si(1 0 0)(2 \times 1): towards the fabrication of novel organic films/Si hybrid structures. <i>Applied Surface Science</i> , 2001, 169-170, 172-175.	6.1	19
68	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
69	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
70	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
71	Reaction mechanism and adsorbed states of cyclohexene on Si(100)(2 \times 1). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 383-387.	1.7	18
72	Observation of charge transfer states of F4-TCNQ on the 2-methylpropene chemisorbed Si(1 0 0)(2 \times 1) surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 174, 55-58.	1.7	18

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73	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
74	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
75	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
76	Site-specific fragmentation caused by core-level photoionization: Effect of chemisorption. <i>Journal of Chemical Physics</i> , 2002, 117, 3961-3971.	3.0	17
77	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
78	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
79	Systematic Study of Adsorption and the Reaction of Methanol on Three Model Catalysts: Cu(111), Zn-Cu(111), and Oxidized Zn-Cu(111). <i>Journal of Physical Chemistry C</i> , 2017, 121, 25402-25410.	3.1	17
80	Adsorption of pyrimidine molecules on Pd(110) observed by scanning tunneling microscopy. <i>Surface Science</i> , 1996, 360, 50-54.	1.9	16
81	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
82	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
83	Estimation of direct and indirect interactions between CO molecules on Pd(110). <i>Surface Science</i> , 2002, 513, 239-248.	1.9	15
84	Microscopic adsorption process of CO on Si(100)c(4Å ⁻²) by means of low-temperature scanning tunneling microscopy. <i>Physical Review B</i> , 2003, 68, .	3.2	15
85	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
86	Direct observation of isothermal adsorption and desorption processes of CO on the Ni(100) surface. <i>Chemical Physics Letters</i> , 1993, 215, 120-124.	2.6	14
87	Broken symmetry of adsorbed methane and self-limiting photoinduced dissociation on Pt(111). <i>Surface Science</i> , 1996, 363, 234-239.	1.9	14
88	Selective functionalization of the Si(100) surface by switching the adsorption linkage of a bifunctional organic molecule. <i>Chemical Physics Letters</i> , 2004, 388, 27-30.	2.6	14
89	Low-energy electron-stimulated chemical reactions of CO in water ice. <i>Chemical Physics Letters</i> , 2004, 388, 384-388.	2.6	14
90	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

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91	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
92	The Quantum Nature of $C \leftrightarrow H \cdot \cdot M$ etal Interaction: Vibrational Spectra and Kinetic and Geometric Isotope Effects of Adsorbed Cyclohexane. <i>Chemical Record</i> , 2014, 14, 848-856.	5.8	14
93	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
94	Intermolecular interaction and arrangements of adsorbed 1,4-cyclohexadiene molecules on Si(100). <i>Surface Science</i> , 2003, 531, 199-207.	1.9	13
95	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
96	Single-particle excitation of core states in epitaxial silicene. <i>Physical Review B</i> , 2017, 95, .	3.2	13
97	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
98	Role of Intermolecular Interactions in the Catalytic Reaction of Formic Acid on Cu(111). <i>Small</i> , 2021, 17, e2008010.	10.0	13
99	Structural and chemical property of unsaturated cyclic-hydrocarbon molecules regularly chemisorbed on Si(100) surface. <i>Applied Surface Science</i> , 2004, 234, 162-167.	6.1	12
100	Different Adsorbed States of 1,4-Cyclohexadiene on Si(100) Controlled by Substrate Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2557-2564.	3.1	12
101	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
102	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. <i>Surface Science</i> , 1991, 242, 493-497.	1.9	11
103	Adsorption and interlayer mixing of methane on Ni(100) at 20 K. <i>Surface Science</i> , 1996, 368, 247-252.	1.9	11
104	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
105	Configuration change of NO on Cu(110) as a function of temperature. <i>Journal of Chemical Physics</i> , 2014, 140, 214706.	3.0	11
106	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
107	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
108	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

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109	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
110	Double-pass high-resolution vibrational electron energy loss spectrometer. <i>Review of Scientific Instruments</i> , 1987, 58, 307-308.	1.3	9
111	Vibrational structure in C 1s photoelectron spectra of ethylene on the Si(100)(2 \times 1) surface. <i>Chemical Physics Letters</i> , 2003, 374, 476-481.	2.6	9
112	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
113	Two-dimensional superstructures and softened C-H stretching vibrations of cyclohexane on Rh(111): Effects of preadsorbed hydrogen. <i>Journal of Chemical Physics</i> , 2011, 135, 234704.	3.0	9
114	The chemistry of simple alkene molecules on Si(100)(4 \times 2): The mechanism of cycloaddition and their selectivities. <i>Surface Science</i> , 2016, 652, 304-311.	1.9	9
115	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
116	Hydrogenomics: Efficient and Selective Hydrogenation of Stable Molecules Utilizing Three Aspects of Hydrogen. <i>Catalysis Letters</i> , 2022, 152, 1583-1597.	2.6	9
117	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
118	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
119	Search for adsorption potential energy minima of NO on Pt(997) at 11K. <i>Surface Science</i> , 2006, 600, 3560-3563.	1.9	8
120	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
121	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
122	Regioselective Cycloaddition Reaction of Alkene Molecules with the Asymmetric Dimer on Si(100)(4 \times 2). <i>Journal of the American Chemical Society</i> , 2007, 129, 1242-1245.	13.7	7
123	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
124	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
125	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
126	Observation of the surface vibrational resonances on Pd(110). <i>Physical Review B</i> , 1988, 38, 1520-1522.	3.2	6

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127	Residual gas effects on high-resolution Si2p spectra of Si(100)c(4Å–2). Surface Science, 2004, 566-568, 467-470.	1.9	6
128	Fabrication and analysis of buried iron silicide microstructures using a focused low energy electron beam. Surface Science, 2007, 601, 5108-5111.	1.9	6
129	Independently driven four-probe method for local electrical characteristics in organic thin-film transistors under controlled channel potential. Review of Scientific Instruments, 2011, 82, 093902.	1.3	6
130	Electronic structure of 1,4-sexithiophene ultrathin films grown on passivated Si(001) surfaces. Applied Surface Science, 2014, 307, 520-524.	6.1	6
131	Atomistic-Level Description of GaN/Water Interface by a Combined Spectroscopic and First-Principles Computational Approach. Journal of Physical Chemistry C, 2020, 124, 12466-12475.	3.1	6
132	Band Bending of n-GaN under Ambient H ₂ O Vapor Studied by X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 9011-9019.	3.1	6
133	Soft X-Ray Absorption and Emission Study of Silicon Oxynitride/Si(100) Interface. Japanese Journal of Applied Physics, 2007, 46, L77-L79.	1.5	5
134	Quantitative analysis of chemical interaction and doping of the Si(111) native oxide surface with tetrafluorotetracyanoquinodimethane. Journal of Applied Physics, 2014, 115, 143709.	2.5	5
135	An Ethynylene-Bridged Pentacene Dimer: Two-Step Synthesis and Charge-Transport Properties. Chemistry - A European Journal, 2018, 24, 14916-14920.	3.3	5
136	Direct Evidence of Interfacial Hydrogen Bonding in Proton-Electron Concerted 2D Organic Bilayer on Au Substrate. E-Journal of Surface Science and Nanotechnology, 2019, 17, 49-55.	0.4	5
137	A computational examination of the electric-field-induced proton transfer along the interface hydrogen bond between proton donating and accepting self-assembled monolayers. Chemical Physics Letters, 2020, 741, 137091.	2.6	5
138	Formation of BN-covered silicene on ZrB ₂ /Si(111) by adsorption of NO and thermal processes. Journal of Chemical Physics, 2020, 153, 064702.	3.0	5
139	Comparative Study of H ₂ O and O ₂ Adsorption on the GaN Surface. Journal of Physical Chemistry C, 2021, 125, 25807-25815.	3.1	5
140	Hydrogen-induced ordering of Cs atoms on the Pd(110)-(1Å–2)Cs surface. Physical Review B, 1989, 40, 1308-1311.	3.2	4
141	Surface matrix isolation method for photoinduced oxidation of carbon monoxide on Pt(111). Journal of Molecular Catalysis A, 1999, 141, 57-61.	4.8	4
142	Real-space observation of local anisotropic correlation between buckled dimers on Si(100) induced by a bidentate adsorbed molecule. Chemical Communications, 2011, 47, 10392.	4.1	4
143	Emergence of nearly flat bands through a kagome lattice embedded in an epitaxial two-dimensional Ge layer with a bitriangular structure. Physical Review B, 2020, 102, .	3.2	4
144	Theoretical study on adsorption and reaction of polymeric formic acid on the Cu(111) surface. Physical Review Materials, 2021, 5, .	2.4	4

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145	Adsorption, Desorption, and Decomposition of Formic Acid on Cu(111): The Importance of Facet of the Step. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8354-8363.	3.1	4
146	Electronic states and chemical reactivity of Si(100)(1 \times 1) surface at low temperature studied by high resolution Si 2p core level photoelectron spectroscopy. <i>Surface Science</i> , 2003, 532-535, 716-720.	1.9	3
147	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
148	Adsorbed states of 1,1,1-trifluoro-2-propanol on Si(100). <i>Surface Science</i> , 2003, 529, 288-294.	1.9	2
149	Direct observation of the site-specific valence electronic structure at SiO ₂ /Si(111) interface. <i>E-Journal of Surface Science and Nanotechnology</i> , 2006, 4, 280-284.	0.4	2
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