Hirohito Ogasawara

List of Publications by Year
in descending order

152	14,221	25034	19749
papers	citations	57 h-index	117 g-index

157	157	157	16639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using photoelectron spectroscopy to measure resonant inelastic X-ray scattering: a computational investigation. Journal of Synchrotron Radiation, 2022, 29, 202-213.	2.4	0
2	A Laboratory-driven Multiscale Investigation of X-Ray Induced Mass Loss and Photochemical Evolution in Cosmic Carbon and Silicate Dust. Astrophysical Journal, 2022, 925, 86.	4.5	2
3	Soft X-ray spectroscopic study on the electronic structure of WO3 thin films fabricated under various annealing temperature and gas flow conditions. Current Applied Physics, 2021, 21, 31-35.	2.4	9
4	The significance of the local structure of cobalt-based catalysts on the photoelectrochemical water oxidation activity of BiVO4. Electrochimica Acta, 2021, 366, 137467.	5.2	8
5	Ultrafast Adsorbate Excitation Probed with Subpicosecond-Resolution X-Ray Absorption Spectroscopy. Physical Review Letters, 2021, 127, 016802.	7.8	11
6	Electronic structure of Alq3 and Liq using soft X-ray spectroscopy and density functional theory calculation. Current Applied Physics, 2021, 30, 91-95.	2.4	2
7	Transient Potassium Peroxide Species in Highly Selective Oxidative Coupling of Methane over an Unmolten K₂WO₄/SiO₂ Catalyst Revealed by In Situ Characterization. ACS Catalysis, 2021, 11, 14237-14248.	11.2	14
8	Time-resolved observation of transient precursor state of CO on Ru(0001) using carbon K-edge spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 2677-2684.	2.8	15
9	Ni5Ga3 catalysts for CO2 reduction to methanol: Exploring the role of Ga surface oxidation/reduction on catalytic activity. Applied Catalysis B: Environmental, 2020, 267, 118369.	20.2	68
10	Anisotropic X-Ray Scattering of Transiently Oriented Water. Physical Review Letters, 2020, 125, 076002.	7.8	13
11	The Fast-Track Water Oxidation Channel on BiVO₄ Opened by Nitrogen Treatment. Journal of Physical Chemistry Letters, 2020, 11, 8758-8764.	4.6	13
12	Sub-molecular structural relaxation at a physisorbed interface with monolayer organic single-crystal semiconductors. Communications Physics, 2020, 3, .	5.3	10
13	A comprehensive study on the characteristic spectroscopic features of nitrogen doped graphene. Applied Surface Science, 2019, 495, 143518.	6.1	11
14	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. Review of Scientific Instruments, 2019, 90, 113101.	1.3	40
15	Chemical Dissolution of Pt(111) during Potential Cycling under Negative pH Conditions Studied by Operando X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 25128-25134.	3.1	19
16	Operando Soft X-ray Photoelectron Spectroscopy of Electrocatalytic Reactions. Vacuum and Surface Science, 2019, 62, 3-8.	0.1	0
17	Ambient-Pressure X-ray Photoelectron Spectroscopy Characterization of Radiation-Induced Chemistries of Organotin Clusters. ACS Applied Materials & Interfaces, 2019, 11, 2526-2534.	8.0	15
18	Weakening the strength of CO binding on subsurface alloyed Pt(111). Surface Science, 2019, 682, 1-7.	1.9	4

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19	Atom-specific activation in CO oxidation. Journal of Chemical Physics, 2018, 149, 234707.	3.0	2
20	Coherent X-rays reveal the influence of cage effects on ultrafast water dynamics. Nature Communications, 2018, 9, 1917.	12.8	59
21	Catalysis in real time using X-ray lasers. Chemical Physics Letters, 2017, 675, 145-173.	2.6	45
22	Subsurface Oxygen in Oxide-Derived Copper Electrocatalysts for Carbon Dioxide Reduction. Journal of Physical Chemistry Letters, 2017, 8, 285-290.	4.6	332
23	A novel method for resonant inelastic soft X-ray scatteringviaphotoelectron spectroscopy detection. Journal of Synchrotron Radiation, 2017, 24, 1180-1186.	2.4	1
24	Emitter-site-selective photoelectron circular dichroism of trifluoromethyloxirane. Physical Review A, 2017, 95, .	2.5	22
25	Real-Time Elucidation of Catalytic Pathways in CO Hydrogenation on Ru. Journal of Physical Chemistry Letters, 2017, 8, 3820-3825.	4.6	9
26	Temperature-Independent Nuclear Quantum Effects on the Structure of Water. Physical Review Letters, 2017, 119, 075502.	7.8	26
27	Operando X-Ray Photoelectron Spectroscopy Studies of Aqueous Electrocatalytic Systems. Topics in Catalysis, 2016, 59, 439-447.	2.8	23
28	Chemical Bond Activation Observed with an X-ray Laser. Journal of Physical Chemistry Letters, 2016, 7, 3647-3651.	4.6	21
29	Elucidating the electronic structure of supported gold nanoparticles and its relevance to catalysis by means of hard X-ray photoelectron spectroscopy. Surface Science, 2016, 650, 24-33.	1.9	23
30	Ambient-Pressure XPS Study of a Niâ€“Fe Electrocatalyst for the Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2016, 120, 2247-2253.	3.1	336
31	THz-Pulse-Induced Selective Catalytic CO Oxidation on Ru. Physical Review Letters, 2015, 115, 036103.	7.8	46
32	Indication of non-thermal contribution to visible femtosecond laser-induced CO oxidation on Ru(0001). Journal of Chemical Physics, 2015, 143, 074701.	3.0	14
33	Vacuum space charge effects in sub-picosecond soft X-ray photoemission on a molecular adsorbate layer. Structural Dynamics, 2015, 2, 025101.	2.3	27
34	Optical laser-induced CO desorption from Ru(0001) monitored with a free-electron X-ray laser: DFT prediction and X-ray confirmation of a precursor state. Surface Science, 2015, 640, 80-88.	1.9	13
35	Probing the transition state region in catalytic CO oxidation on Ru. Science, 2015, 347, 978-982.	12.6	193
36	Low Barrier Carbon Induced CO Dissociation on Stepped Cu. Physical Review Letters, 2015, 114, 246101.	7.8	8

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37	Strong Influence of Coadsorbate Interaction on CO Desorption Dynamics on Ru(0001) Probed by Ultrafast X-Ray Spectroscopy andAbÂInitioSimulations. Physical Review Letters, 2015, 114, 156101.	7.8	25
38	Direct observation of the dealloying process of a platinumâ€“yttrium nanoparticle fuel cell cathode and its oxygenated species during the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2015, 17, 28121-28128.	2.8	54
39	X-ray emission spectroscopy of bulk liquid water in â€œno-manâ€™s landâ€. Journal of Chemical Physics, 2015, 142, 044505.	3.0	32
40	Determination of the surface electronic structure of Fe3O4(1 1 1) by soft X-ray spectroscopy. Catalysis Today, 2015, 240, 184-189.	4.4	20
41	Comparison of x-ray absorption spectra between water and ice: New ice data with low pre-edge absorption cross-section. Journal of Chemical Physics, 2014, 141, 034507.	3.0	60
42	Operando Characterization of an Amorphous Molybdenum Sulfide Nanoparticle Catalyst during the Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2014, 118, 29252-29259.	3.1	87
43	Reabsorption of Soft X-Ray Emission at High X-Ray Free-Electron Laser Fluences. Physical Review Letters, 2014, 113, 153002.	7.8	33
44	Inâ€…Situ Observation of Surface Species on Iridium Oxide Nanoparticles during the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2014, 53, 7169-7172.	13.8	386
45	Structure, Redox Chemistry, and Interfacial Alloy Formation in Monolayer and Multilayer Cu/Au(111) Model Catalysts for CO₂ Electroreduction. Journal of Physical Chemistry C, 2014, 118, 7954-7961.	3.1	68
46	Preparation, Structure, and Orientation of Pyrite FeS₂{100} Surfaces: Anisotropy, Sulfur Monomers, Dimer Vacancies, and a Possible FeS Surface Phase. Journal of Physical Chemistry C, 2014, 118, 21896-21903.	3.1	28
47	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dyeâ€“Semiconductor Interface. Journal of Physical Chemistry Letters, 2014, 5, 2753-2759.	4.6	79
48	Different Reactivity of the Various Platinum Oxides and Chemisorbed Oxygen in CO Oxidation on Pt(111). Journal of the American Chemical Society, 2014, 136, 6340-6347.	13.7	71
49	Highly Compressed Two-Dimensional Form of Water at Ambient Conditions. Scientific Reports, 2013, 3, 1074.	3.3	31
50	Interlayer Carbon Bond Formation Induced by Hydrogen Adsorption in Few-Layer Supported Graphene. Physical Review Letters, 2013, 111, 085503.	7.8	110
51	Stability of Pt-Modified Cu(111) in the Presence of Oxygen and Its Implication on the Overall Electronic Structure. Journal of Physical Chemistry C, 2013, 117, 16371-16380.	3.1	5
52	Direct observation of the oxygenated species during oxygen reduction on a platinum fuel cell cathode. Nature Communications, 2013, 4, .	12.8	325
53	Ambient-pressure photoelectron spectroscopy for heterogeneous catalysis and electrochemistry. Catalysis Today, 2013, 205, 101-105.	4.4	103
54	Ultrafast soft X-ray emission spectroscopy of surface adsorbates using an X-ray free electron laser. Journal of Electron Spectroscopy and Related Phenomena, 2013, 187, 9-14.	1.7	27

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55	Real-Time Observation of Surface Bond Breaking with an X-ray Laser. Science, 2013, 339, 1302-1305.	12.6	179
56	Electronic structure effects in catalysis probed by X-ray and electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 113-124.	1.7	13
57	Identification of the electronic structure differences between polar isostructural FeO and CoO films by core-level soft x-ray spectroscopy. Physical Review B, 2013, 87, .	3.2	2
58	Time-resolved x-ray photoelectron spectroscopy techniques for real-time studies of interfacial charge transfer dynamics. AIP Conference Proceedings, 2013, , .	0.4	7
59	Unique water-water coordination tailored by a metal surface. Journal of Chemical Physics, 2013, 138, 234708.	3.0	1
60	Selective Ultrafast Probing of Transient Hot Chemisorbed and Precursor States of CO on Ru(0001). Physical Review Letters, 2013, 110, 186101.	7.8	51
61	Femtosecond Time-Resolved X-ray Photoelectron Spectroscopy Studies of Charge Transfer in Dye-Sensitized Semiconductor Nanocrystals. , 2013, , .		0
62	X-ray emission spectroscopy and density functional study of CO/Fe(100). Journal of Chemical Physics, 2012, 136, 034702.	3.0	21
63	Probing substrate effects in the carbon-projected band structure of graphene on Pt(111) through resonant inelastic x-ray scattering. Physical Review B, 2012, 85, .	3.2	27
64	Balance of Nanostructure and Bimetallic Interactions in Pt Model Fuel Cell Catalysts: In Situ XAS and DFT Study. Journal of the American Chemical Society, 2012, 134, 9664-9671.	13.7	117
65	Reversible graphene-metal contact through hydrogenation. Physical Review B, 2012, 86, .	3.2	28
66	Connecting Dopant Bond Type with Electronic Structure in N-Doped Graphene. Nano Letters, 2012, 12, 4025-4031.	9.1	471
67	Tuning the Metalâ€“Adsorbate Chemical Bond through the Ligand Effect on Platinum Subsurface Alloys. Angewandte Chemie - International Edition, 2012, 51, 7724-7728.	13.8	15
68	In situ X-ray probing reveals fingerprints of surface platinum oxide. Physical Chemistry Chemical Physics, 2011, 13, 262-266.	2.8	110
69	Hydrogen Spillover in Pt-Single-Walled Carbon Nanotube Composites: Formation of Stable Cî—¸H Bonds. Journal of the American Chemical Society, 2011, 133, 5580-5586.	13.7	93
70	Degradation of Bimetallic Model Electrocatalysts: An In Situ Xâ€Ray Absorption Spectroscopy Study. Angewandte Chemie - International Edition, 2011, 50, 10190-10192.	13.8	50
71	Oxidation of Pt(111) under Near-Ambient Conditions. Physical Review Letters, 2011, 107, 195502.	7.8	151
72	Photovoltaic Universal Joints: Ballâ€andâ€Socket Interfaces in Molecular Photovoltaic Cells. ChemPhysChem, 2010, 11, 799-803.	2.1	74

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73	Inside Cover: Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells (ChemPhysChem 4/2010). ChemPhysChem, 2010, 11, 742-742.	2.1	0
74	X-ray absorption spectroscopy and X-ray Raman scattering of water and ice; an experimental view. Journal of Electron Spectroscopy and Related Phenomena, 2010, 177, 99-129.	1.7	158
75	Chemical bonding of water to metal surfaces studied with core-level spectroscopies. Journal of Electron Spectroscopy and Related Phenomena, 2010, 177, 85-98.	1.7	55
76	Lattice-strain control of the activity in dealloyed coreâ€“shell fuel cell catalysts. Nature Chemistry, 2010, 2, 454-460.	13.6	2,489
77	Spectroscopic Identification of a Hydrogen Peroxide-Like Intermediate Formed after Molecular Oxygen Adsorption on Hydrogen Rich Pt(111). ECS Transactions, 2010, 33, 97-103.	0.5	0
78	The role of substrate electrons in the wetting of a metal surface. Journal of Chemical Physics, 2010, 132, 094701.	3.0	39
79	Low O2 dissociation barrier on Pt(111) due to adsorbateâ€“adsorbate interactions. Journal of Chemical Physics, 2010, 133, 224701.	3.0	49
80	Direct Interaction of Water Ice with Hydrophobic Methyl-Terminated Si(111). Journal of Physical Chemistry C, 2010, 114, 19004-19008.	3.1	7
81	Water Adsorption on Î±-Fe₂O₃(0001) at near Ambient Conditions. Journal of Physical Chemistry C, 2010, 114, 2256-2266.	3.1	238
82	Cooperativity in Surface Bonding and Hydrogen Bonding of Water and Hydroxyl at Metal Surfaces. Journal of Physical Chemistry C, 2010, 114, 10240-10248.	3.1	51
83	Peroxide-like intermediate observed at hydrogen rich condition on Pt(111) after interaction with oxygen. Physical Chemistry Chemical Physics, 2010, 12, 5712.	2.8	15
84	Complementarity between high-energy photoelectron and L-edge spectroscopy for probing the electronic structure of 5d transition metal catalysts. Physical Chemistry Chemical Physics, 2010, 12, 5694.	2.8	23
85	Sensitivity of x-ray absorption spectroscopy to hydrogen bond topology. Physical Review B, 2009, 80, .	3.2	37
86	In Situ GIXAFS and HERFD-XAS Studies of a Pt-modified Rh(111) Electrode. ECS Transactions, 2009, 25, 1065-1072.	0.5	2
87	Electronic structure effects in liquid water studied by photoelectron spectroscopy and density functional theory. Chemical Physics Letters, 2008, 460, 86-92.	2.6	61
88	Spectroscopic evidence for the formation of 3-D crystallites during isothermal heating of amorphous ice on Pt(111). Surface Science, 2008, 602, 2004-2008.	1.9	15
89	In situx-ray photoelectron spectroscopy studies of water on metals and oxides at ambient conditions. Journal of Physics Condensed Matter, 2008, 20, 184025.	1.8	204
90	Autocatalytic Water Dissociation on Cu(110) at Near Ambient Conditions. Journal of the American Chemical Society, 2008, 130, 2793-2797.	13.7	126

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91	The structure of mixed H2Oâ€“OH monolayer films on Ru(0001). Journal of Chemical Physics, 2008, 129, 154109.	3.0	50
92	Hydrogen Storage in Carbon Nanotubes through the Formation of Stable Cå¯H Bonds. Nano Letters, 2008, 8, 162-167.	9.1	186
93	Surface Electrochemistry. , 2008, , 397-455.		5
94	Double Role of Water in the Fuel Cell Oxygen Reduction Reaction. ECS Transactions, 2008, 16, 1385-1394.	0.5	12
95	Geometric and electronic structure of methane adsorbed on a Pt surface. Journal of Chemical Physics, 2007, 127, 144702.	3.0	21
96	Dynamical core-hole screening in the x-ray absorption spectra of hydrogenated carbon nanotubes and graphene. Physical Review B, 2007, 76, .	3.2	19
97	Probing the Electron Delocalization in Liquid Water and Ice at Attosecond Time Scales. Physical Review Letters, 2007, 99, 217406.	7.8	117
98	Bridging the Pressure Gap in Water and Hydroxyl Chemistry on Metal Surfaces:â€‰ The Cu(110) Case. Journal of Physical Chemistry C, 2007, 111, 14493-14499.	3.1	68
99	Hydroxyl-Induced Wetting of Metals by Water at Near-Ambient Conditions. Journal of Physical Chemistry C, 2007, 111, 7848-7850.	3.1	138
100	The Nature of Water Nucleation Sites on TiO2(110) Surfaces Revealed by Ambient Pressure X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 8278-8282.	3.1	374
101	Structure and Bonding of the Waterâ¯Hydroxyl Mixed Phase on Pt(111). Journal of Physical Chemistry C, 2007, 111, 15003-15012.	3.1	117
102	Geometrical characterization of adenine and guanine on Cu(110) by NEXAFS, XPS, and DFT calculation. Surface Science, 2007, 601, 5433-5440.	1.9	67
103	Are recent water models obtained by fitting diffraction data consistent with infrared/Raman and x-ray absorption spectra?. Journal of Chemical Physics, 2006, 125, 244510.	3.0	60
104	The local structure of protonated water from x-ray absorption and density functional theory. Journal of Chemical Physics, 2006, 124, 194508.	3.0	49
105	X-ray Spectroscopic Probing of Water and Hydrogen Bonding. Hyomen Kagaku, 2006, 27, 220-225.	0.0	0
106	Structure of water adsorbed on the open Cu(110) surface: H-up, H-down, or both?. Chemical Physics Letters, 2006, 429, 415-419.	2.6	82
107	Soft X-ray microscopy and spectroscopy at the molecular environmental science beamline at the Advanced Light Source. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 86-104.	1.7	292
108	Physisorption-Induced C-H Bond Elongation in Methane. Physical Review Letters, 2006, 96, 146104.	7.8	34

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109	Molecularly intact and dissociative adsorption of water on clean Cu(110): A comparison with the water/Ru(001) system. Surface Science, 2005, 585, L183-L189.	1.9	84
110	Ultrafast Core-Hole-Induced Dynamics in Water Probed by X-Ray Emission Spectroscopy. Physical Review Letters, 2005, 94, 227401.	7.8	117
111	The hydrogen bond in ice probed by soft x-ray spectroscopy and density functional theory. Journal of Chemical Physics, 2005, 122, 154505.	3.0	79
112	X-ray Absorption Spectroscopy Study of the Hydrogen Bond Network in the Bulk Water of Aqueous Solutions. Journal of Physical Chemistry A, 2005, 109, 5995-6002.	2.5	156
113	X-ray Absorption Spectroscopy Measurements of Liquid Water. Journal of Physical Chemistry B, 2005, 109, 13835-13839.	2.6	120
114	Hydrogenation of Single-Walled Carbon Nanotubes. Physical Review Letters, 2005, 95, 225507.	7.8	241
115	Water Dissociation on Ru(001): An Activated Process. Physical Review Letters, 2004, 93, 196101.	7.8	196
116	Ultrafast Molecular Dissociation of Water in Ice. Physical Review Letters, 2004, 93, 148302.	7.8	71
117	Experimental and theoretical characterization of the structure of defects at the pyriteFeS2(100)surface. Physical Review B, 2004, 70, .	3.2	62
118	Geometric structure and chemical bonding of acetylene adsorbed on Cu(110). Surface Science, 2004, 565, 206-222.	1.9	24
119	Surface structure of thin ice films. Chemical Physics Letters, 2004, 395, 161-165.	2.6	66
120	The Structure of the First Coordination Shell in Liquid Water. Science, 2004, 304, 995-999.	12.6	1,287
121	Geometrical characterization of pyrimidine base molecules adsorbed on Cu() surfaces: XPS and NEXAFS studies. Surface Science, 2003, 532-535, 261-266.	1.9	60
122	XPS and XAS investigation of condensed and adsorbed n-octane on a Cu(110) surface. Journal of Electron Spectroscopy and Related Phenomena, 2003, 128, 179-191.	1.7	40
123	Direct Evidence of Orbital Mixing between Water and Solvated Transition-Metal Ions:â€‰ An Oxygen 1s XAS and DFT Study of Aqueous Systems. Journal of Physical Chemistry A, 2003, 107, 6869-6876.	2.5	67
124	Orbital rehybridization in n-octane adsorbed on Cu(110). Journal of Chemical Physics, 2003, 118, 3782-3789.	3.0	41
125	Structure and Bonding of Water on Pt(111). Physical Review Letters, 2002, 89, 276102.	7.8	512
126	Spectroscopic probing of local hydrogen-bonding structures in liquid water. Journal of Physics Condensed Matter, 2002, 14, L213-L219.	1.8	262

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127	Scanning Tunneling Microscopy and Near Edge X-ray Absorption Fine Structure Studies of Adsorption of Trans-2-butene on Pd(110). Japanese Journal of Applied Physics, 2002, 41, 4911-4915.	1.5	9
128	Small Clusters of Water Adsorbed on the Bilayer-Terminated Ice Surface:Â Infrared Reflection Adsorption Spectra and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2002, 106, 1695-1700.	2.5	6
129	Adsorption structure of 1,3-butadiene on Pd(110). Surface Science, 2002, 502-503, 164-168.	1.9	22
130	Photochemistry of CFCl3 on ice surface: surface chlorine reservoir species. Surface Science, 2002, 502-503, 285-289.	1.9	5
131	The interpretation of X-ray absorption spectra of water and ice. Chemical Physics Letters, 2002, 364, 363-370.	2.6	182
132	Adsorption and bonding of propene and 2-butenal on Pt(1 1 1). Surface Science, 2001, 482-485, 83-89.	1.9	14
133	Orientation of unsaturated hydrocarbons on Pd(110). Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 339-343.	1.7	7
134	Electronic structure effects from hydrogen bonding in the liquid phase and in chemisorption: an integrated theory and experimental effort. Journal of Synchrotron Radiation, 2001, 8, 136-140.	2.4	7
135	Orientation and symmetry of ethylene on Pd(110): A combined HREELS and NEXAFS study. Journal of Chemical Physics, 2000, 112, 5948-5956.	3.0	17
136	Ammonia adsorption by hydrogen bond on ice and its solvation. Journal of Chemical Physics, 2000, 112, 8229-8232.	3.0	51
137	Clustering behavior of water (D2O) on Pt(111). Journal of Chemical Physics, 1999, 111, 7003-7009.	3.0	72
138	Direct observation of the molecular interaction between chemisorbed CO and water overlayer on Pt(111). Surface Science, 1997, 386, 73-77.	1.9	31
139	Carbon Monoxide Adsorption on Copper and Silver Electrodes during Carbon Dioxide Electroreduction Studied by Infrared Reflection Absorption Spectroscopy and Surface-Enhanced Raman Spectroscopy. Langmuir, 1996, 12, 1094-1097.	3.5	90
140	Broken symmetry of adsorbed methane and self-limiting photoinduced dissociation on Pt(111). Surface Science, 1996, 363, 234-239.	1.9	14
141	Oxygen adsorption and desorption induced surface phase transition of SrCuO2(001). Thin Solid Films, 1996, 281-282, 120-123.	1.8	1
142	Infrared spectroscopic study of electric double layers on Pt(111) under electrode reactions in a sulfuric acid solution. Journal of Electroanalytical Chemistry, 1996, 409, 103-108.	3.8	34
143	Electro-oxidation of methanol on Pt(111) in acid solutions: effects of electrolyte anions during electrocatalytic reactions. Chemical Physics Letters, 1995, 245, 304-310.	2.6	13
144	Symmetry Controlled Surface Photochemistry of Methane on Pt(111). Physical Review Letters, 1995, 75, 2176-2179.	7.8	41

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145	In situ and ex situ IRAS, LEED and EC-STM studies of underpotentially deposited copper on a Pt(111) electrode in sulfuric acid solution: coadsorption of sulfate ion with copper. Surface Science, 1995, 335, 23-31.	1.9	52
146	Hydrogen adsorption on Pt(100), Pt(110), Pt(111) and Pt(1111) electrode surfaces studied by in situ infrared reflection absorption spectroscopy. Chemical Physics Letters, 1994, 221, 213-218.	2.6	110
147	Water adsorption on Pt(111): from isolated molecule to three-dimensional cluster. Chemical Physics Letters, 1994, 231, 188-192.	2.6	82
148	Ex-situ IRAS and LEED studies of underpotentially deposited copper on a Pt(111) electrode in a sulfuric acid solution: layer exchanges of anions with copper. Surface Science, 1994, 311, L665-L670.	1.9	22
149	Adsorption of bisulfate anion on a Pt(111) electrode: A comparison of in-situ and ex-situ IRAS. Journal of Electroanalytical Chemistry, 1993, 358, 337-342.	3.8	55
150	CO migration on Pt(100) and Pt(11 1 1) surfaces studied by time resolved infrared reflection-absorption spectroscopy. Surface Science, 1993, 283, 248-254.	1.9	23
151	Potential-induced migration of top-layer atoms and molecules on Pt(110) electrode surface studied by infrared reflection absorption spectroscopy. Chemical Physics Letters, 1992, 198, 389-394.	2.6	15
152	CHAPTER 15. Electronic Structure and Bonding of Water to Noble Metal Surfaces. RSC Energy and Environment Series, 0, , 406-418.	0.5	0