

Hirohito Ogasawara

List of Publications by Year in descending order

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152
papers

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157
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157
times ranked

16639
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice-strain control of the activity in dealloyed core-shell fuel cell catalysts. <i>Nature Chemistry</i> , 2010, 2, 454-460.	6.6	2,489
2	The Structure of the First Coordination Shell in Liquid Water. <i>Science</i> , 2004, 304, 995-999.	6.0	1,287
3	Structure and Bonding of Water on Pt(111). <i>Physical Review Letters</i> , 2002, 89, 276102.	2.9	512
4	Connecting Dopant Bond Type with Electronic Structure in N-Doped Graphene. <i>Nano Letters</i> , 2012, 12, 4025-4031.	4.5	471
5	In-situ Observation of Surface Species on Iridium Oxide Nanoparticles during the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7169-7172.	7.2	386
6	The Nature of Water Nucleation Sites on TiO ₂ (110) Surfaces Revealed by Ambient Pressure X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8278-8282.	1.5	374
7	Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2247-2253.	1.5	336
8	Subsurface Oxygen in Oxide-Derived Copper Electrocatalysts for Carbon Dioxide Reduction. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 285-290.	2.1	332
9	Direct observation of the oxygenated species during oxygen reduction on a platinum fuel cell cathode. <i>Nature Communications</i> , 2013, 4, .	5.8	325
10	Soft X-ray microscopy and spectroscopy at the molecular environmental science beamline at the Advanced Light Source. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 150, 86-104.	0.8	292
11	Spectroscopic probing of local hydrogen-bonding structures in liquid water. <i>Journal of Physics Condensed Matter</i> , 2002, 14, L213-L219.	0.7	262
12	Hydrogenation of Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 95, 225507.	2.9	241
13	Water Adsorption on Fe ₂ O ₃ (001) at near Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2256-2266.	1.5	238
14	In situ x-ray photoelectron spectroscopy studies of water on metals and oxides at ambient conditions. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 184025.	0.7	204
15	Water Dissociation on Ru(001): An Activated Process. <i>Physical Review Letters</i> , 2004, 93, 196101.	2.9	196
16	Probing the transition state region in catalytic CO oxidation on Ru. <i>Science</i> , 2015, 347, 978-982.	6.0	193
17	Hydrogen Storage in Carbon Nanotubes through the Formation of Stable C-H Bonds. <i>Nano Letters</i> , 2008, 8, 162-167.	4.5	186
18	The interpretation of X-ray absorption spectra of water and ice. <i>Chemical Physics Letters</i> , 2002, 364, 363-370.	1.2	182

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19	Real-Time Observation of Surface Bond Breaking with an X-ray Laser. <i>Science</i> , 2013, 339, 1302-1305.	6.0	179
20	X-ray absorption spectroscopy and X-ray Raman scattering of water and ice; an experimental view. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 177, 99-129.	0.8	158
21	X-ray Absorption Spectroscopy Study of the Hydrogen Bond Network in the Bulk Water of Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5995-6002.	1.1	156
22	Oxidation of Pt(111) under Near-Ambient Conditions. <i>Physical Review Letters</i> , 2011, 107, 195502.	2.9	151
23	Hydroxyl-Induced Wetting of Metals by Water at Near-Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7848-7850.	1.5	138
24	Autocatalytic Water Dissociation on Cu(110) at Near Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2008, 130, 2793-2797.	6.6	126
25	X-ray Absorption Spectroscopy Measurements of Liquid Water. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13835-13839.	1.2	120
26	Ultrafast Core-Hole-Induced Dynamics in Water Probed by X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , 2005, 94, 227401.	2.9	117
27	Probing the Electron Delocalization in Liquid Water and Ice at Attosecond Time Scales. <i>Physical Review Letters</i> , 2007, 99, 217406.	2.9	117
28	Structure and Bonding of the Water-Hydroxyl Mixed Phase on Pt(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 15003-15012.	1.5	117
29	Balance of Nanostructure and Bimetallic Interactions in Pt Model Fuel Cell Catalysts: In Situ XAS and DFT Study. <i>Journal of the American Chemical Society</i> , 2012, 134, 9664-9671.	6.6	117
30	Hydrogen adsorption on Pt(100), Pt(110), Pt(111) and Pt(1111) electrode surfaces studied by in situ infrared reflection absorption spectroscopy. <i>Chemical Physics Letters</i> , 1994, 221, 213-218.	1.2	110
31	In situ X-ray probing reveals fingerprints of surface platinum oxide. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 262-266.	1.3	110
32	Interlayer Carbon Bond Formation Induced by Hydrogen Adsorption in Few-Layer Supported Graphene. <i>Physical Review Letters</i> , 2013, 111, 085503.	2.9	110
33	Ambient-pressure photoelectron spectroscopy for heterogeneous catalysis and electrochemistry. <i>Catalysis Today</i> , 2013, 205, 101-105.	2.2	103
34	Hydrogen Spillover in Pt-Single-Walled Carbon Nanotube Composites: Formation of Stable C-H Bonds. <i>Journal of the American Chemical Society</i> , 2011, 133, 5580-5586.	6.6	93
35	Carbon Monoxide Adsorption on Copper and Silver Electrodes during Carbon Dioxide Electroreduction Studied by Infrared Reflection Absorption Spectroscopy and Surface-Enhanced Raman Spectroscopy. <i>Langmuir</i> , 1996, 12, 1094-1097.	1.6	90
36	Operando Characterization of an Amorphous Molybdenum Sulfide Nanoparticle Catalyst during the Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29252-29259.	1.5	87

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37	Molecularly intact and dissociative adsorption of water on clean Cu(110): A comparison with the water/Ru(001) system. <i>Surface Science</i> , 2005, 585, L183-L189.	0.8	84
38	Water adsorption on Pt(111): from isolated molecule to three-dimensional cluster. <i>Chemical Physics Letters</i> , 1994, 231, 188-192.	1.2	82
39	Structure of water adsorbed on the open Cu(110) surface: H-up, H-down, or both?. <i>Chemical Physics Letters</i> , 2006, 429, 415-419.	1.2	82
40	The hydrogen bond in ice probed by soft x-ray spectroscopy and density functional theory. <i>Journal of Chemical Physics</i> , 2005, 122, 154505.	1.2	79
41	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dye-Semiconductor Interface. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2753-2759.	2.1	79
42	Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells. <i>ChemPhysChem</i> , 2010, 11, 799-803.	1.0	74
43	Clustering behavior of water (D ₂ O) on Pt(111). <i>Journal of Chemical Physics</i> , 1999, 111, 7003-7009.	1.2	72
44	Ultrafast Molecular Dissociation of Water in Ice. <i>Physical Review Letters</i> , 2004, 93, 148302.	2.9	71
45	Different Reactivity of the Various Platinum Oxides and Chemisorbed Oxygen in CO Oxidation on Pt(111). <i>Journal of the American Chemical Society</i> , 2014, 136, 6340-6347.	6.6	71
46	Bridging the Pressure Gap in Water and Hydroxyl Chemistry on Metal Surfaces: The Cu(110) Case. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14493-14499.	1.5	68
47	Structure, Redox Chemistry, and Interfacial Alloy Formation in Monolayer and Multilayer Cu/Au(111) Model Catalysts for CO ₂ Electroreduction. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7954-7961.	1.5	68
48	Ni ₅ Ga ₃ catalysts for CO ₂ reduction to methanol: Exploring the role of Ga surface oxidation/reduction on catalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118369.	10.8	68
49	Direct Evidence of Orbital Mixing between Water and Solvated Transition-Metal Ions: An Oxygen 1s XAS and DFT Study of Aqueous Systems. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6869-6876.	1.1	67
50	Geometrical characterization of adenine and guanine on Cu(110) by NEXAFS, XPS, and DFT calculation. <i>Surface Science</i> , 2007, 601, 5433-5440.	0.8	67
51	Surface structure of thin ice films. <i>Chemical Physics Letters</i> , 2004, 395, 161-165.	1.2	66
52	Experimental and theoretical characterization of the structure of defects at the pyrite FeS ₂ (100) surface. <i>Physical Review B</i> , 2004, 70, .	1.1	62
53	Electronic structure effects in liquid water studied by photoelectron spectroscopy and density functional theory. <i>Chemical Physics Letters</i> , 2008, 460, 86-92.	1.2	61
54	Geometrical characterization of pyrimidine base molecules adsorbed on Cu() surfaces: XPS and NEXAFS studies. <i>Surface Science</i> , 2003, 532-535, 261-266.	0.8	60

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55	Are recent water models obtained by fitting diffraction data consistent with infrared/Raman and x-ray absorption spectra?. <i>Journal of Chemical Physics</i> , 2006, 125, 244510.	1.2	60
56	Comparison of x-ray absorption spectra between water and ice: New ice data with low pre-edge absorption cross-section. <i>Journal of Chemical Physics</i> , 2014, 141, 034507.	1.2	60
57	Coherent X-rays reveal the influence of cage effects on ultrafast water dynamics. <i>Nature Communications</i> , 2018, 9, 1917.	5.8	59
58	Adsorption of bisulfate anion on a Pt(111) electrode: A comparison of in-situ and ex-situ IRAS. <i>Journal of Electroanalytical Chemistry</i> , 1993, 358, 337-342.	1.9	55
59	Chemical bonding of water to metal surfaces studied with core-level spectroscopies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 177, 85-98.	0.8	55
60	Direct observation of the dealloying process of a platinum-yttrium nanoparticle fuel cell cathode and its oxygenated species during the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28121-28128.	1.3	54
61	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. <i>Surface Science</i> , 1995, 335, 23-31.	0.8	52
62	Ammonia adsorption by hydrogen bond on ice and its solvation. <i>Journal of Chemical Physics</i> , 2000, 112, 8229-8232.	1.2	51
63	Cooperativity in Surface Bonding and Hydrogen Bonding of Water and Hydroxyl at Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10240-10248.	1.5	51
64	Selective Ultrafast Probing of Transient Hot Chemisorbed and Precursor States of CO on Ru(0001). <i>Physical Review Letters</i> , 2013, 110, 186101.	2.9	51
65	The structure of mixed H ₂ O-OH monolayer films on Ru(0001). <i>Journal of Chemical Physics</i> , 2008, 129, 154109.	1.2	50
66	Degradation of Bimetallic Model Electrocatalysts: An In Situ X-ray Absorption Spectroscopy Study. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10190-10192.	7.2	50
67	The local structure of protonated water from x-ray absorption and density functional theory. <i>Journal of Chemical Physics</i> , 2006, 124, 194508.	1.2	49
68	Low O ₂ dissociation barrier on Pt(111) due to adsorbate-adsorbate interactions. <i>Journal of Chemical Physics</i> , 2010, 133, 224701.	1.2	49
69	THz-Pulse-Induced Selective Catalytic CO Oxidation on Ru. <i>Physical Review Letters</i> , 2015, 115, 036103.	2.9	46
70	Catalysis in real time using X-ray lasers. <i>Chemical Physics Letters</i> , 2017, 675, 145-173.	1.2	45
71	Symmetry Controlled Surface Photochemistry of Methane on Pt(111). <i>Physical Review Letters</i> , 1995, 75, 2176-2179.	2.9	41
72	Orbital rehybridization in n-octane adsorbed on Cu(110). <i>Journal of Chemical Physics</i> , 2003, 118, 3782-3789.	1.2	41

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73	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.	0.8	40
74	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. Review of Scientific Instruments, 2019, 90, 113101.	0.6	40
75	The role of substrate electrons in the wetting of a metal surface. Journal of Chemical Physics, 2010, 132, 094701.	1.2	39
76	Sensitivity of x-ray absorption spectroscopy to hydrogen bond topology. Physical Review B, 2009, 80, .	1.1	37
77	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.	1.9	34
78	Physisorption-Induced C-H Bond Elongation in Methane. Physical Review Letters, 2006, 96, 146104.	2.9	34
79	Reabsorption of Soft X-Ray Emission at High X-Ray Free-Electron Laser Fluences. Physical Review Letters, 2014, 113, 153002.	2.9	33
80	X-ray emission spectroscopy of bulk liquid water in H_2O . Journal of Chemical Physics, 2015, 142, 044505.	1.2	32
81	Direct observation of the molecular interaction between chemisorbed CO and water overlayer on Pt(111). Surface Science, 1997, 386, 73-77.	0.8	31
82	Highly Compressed Two-Dimensional Form of Water at Ambient Conditions. Scientific Reports, 2013, 3, 1074.	1.6	31
83	Reversible graphene-metal contact through hydrogenation. Physical Review B, 2012, 86, .	1.1	28
84	Preparation, Structure, and Orientation of Pyrite $\text{FeS}_{2(100)}$ Surfaces: Anisotropy, Sulfur Monomers, Dimer Vacancies, and a Possible FeS Surface Phase. Journal of Physical Chemistry C, 2014, 118, 21896-21903.	1.5	28
85	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, .	1.1	27
86	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.	0.8	27
87	Vacuum space charge effects in sub-picosecond soft X-ray photoemission on a molecular adsorbate layer. Structural Dynamics, 2015, 2, 025101.	0.9	27
88	Temperature-Independent Nuclear Quantum Effects on the Structure of Water. Physical Review Letters, 2017, 119, 075502.	2.9	26
89	Strong Influence of Coadsorbate Interaction on CO Desorption Dynamics on Ru(0001) Probed by Ultrafast X-Ray Spectroscopy and Ab Initio Simulations. Physical Review Letters, 2015, 114, 156101.	2.9	25
90	Geometric structure and chemical bonding of acetylene adsorbed on Cu(110). Surface Science, 2004, 565, 206-222.	0.8	24

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91	CO migration on Pt(100) and Pt(111) surfaces studied by time resolved infrared reflection-absorption spectroscopy. <i>Surface Science</i> , 1993, 283, 248-254.	0.8	23
92	Complementarity between high-energy photoelectron and L-edge spectroscopy for probing the electronic structure of 5d transition metal catalysts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5694.	1.3	23
93	Operando X-Ray Photoelectron Spectroscopy Studies of Aqueous Electrocatalytic Systems. <i>Topics in Catalysis</i> , 2016, 59, 439-447.	1.3	23
94	Elucidating the electronic structure of supported gold nanoparticles and its relevance to catalysis by means of hard X-ray photoelectron spectroscopy. <i>Surface Science</i> , 2016, 650, 24-33.	0.8	23
95	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. <i>Surface Science</i> , 1994, 311, L665-L670.	0.8	22
96	Adsorption structure of 1,3-butadiene on Pd(110). <i>Surface Science</i> , 2002, 502-503, 164-168.	0.8	22
97	Emitter-site-selective photoelectron circular dichroism of trifluoromethyloxirane. <i>Physical Review A</i> , 2017, 95, .	1.0	22
98	Geometric and electronic structure of methane adsorbed on a Pt surface. <i>Journal of Chemical Physics</i> , 2007, 127, 144702.	1.2	21
99	X-ray emission spectroscopy and density functional study of CO/Fe(100). <i>Journal of Chemical Physics</i> , 2012, 136, 034702.	1.2	21
100	Chemical Bond Activation Observed with an X-ray Laser. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3647-3651.	2.1	21
101	Determination of the surface electronic structure of Fe ₃ O ₄ (111) by soft X-ray spectroscopy. <i>Catalysis Today</i> , 2015, 240, 184-189.	2.2	20
102	Dynamical core-hole screening in the x-ray absorption spectra of hydrogenated carbon nanotubes and graphene. <i>Physical Review B</i> , 2007, 76, .	1.1	19
103	Chemical Dissolution of Pt(111) during Potential Cycling under Negative pH Conditions Studied by Operando X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25128-25134.	1.5	19
104	Orientation and symmetry of ethylene on Pd(110): A combined HREELS and NEXAFS study. <i>Journal of Chemical Physics</i> , 2000, 112, 5948-5956.	1.2	17
105	Potential-induced migration of top-layer atoms and molecules on Pt(110) electrode surface studied by infrared reflection absorption spectroscopy. <i>Chemical Physics Letters</i> , 1992, 198, 389-394.	1.2	15
106	Spectroscopic evidence for the formation of 3-D crystallites during isothermal heating of amorphous ice on Pt(111). <i>Surface Science</i> , 2008, 602, 2004-2008.	0.8	15
107	Peroxide-like intermediate observed at hydrogen rich condition on Pt(111) after interaction with oxygen. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5712.	1.3	15
108	Tuning the Metal-Adsorbate Chemical Bond through the Ligand Effect on Platinum Subsurface Alloys. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7724-7728.	7.2	15

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109	Ambient-Pressure X-ray Photoelectron Spectroscopy Characterization of Radiation-Induced Chemistries of Organotin Clusters. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2526-2534.	4.0	15
110	Time-resolved observation of transient precursor state of CO on Ru(0001) using carbon K-edge spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2677-2684.	1.3	15
111	Broken symmetry of adsorbed methane and self-limiting photoinduced dissociation on Pt(111). <i>Surface Science</i> , 1996, 363, 234-239.	0.8	14
112	Adsorption and bonding of propene and 2-butenal on Pt(1 1 1). <i>Surface Science</i> , 2001, 482-485, 83-89.	0.8	14
113	Indication of non-thermal contribution to visible femtosecond laser-induced CO oxidation on Ru(0001). <i>Journal of Chemical Physics</i> , 2015, 143, 074701.	1.2	14
114	Transient Potassium Peroxide Species in Highly Selective Oxidative Coupling of Methane over an Unmolten K_2WO_4/SiO_2 Catalyst Revealed by In Situ Characterization. <i>ACS Catalysis</i> , 2021, 11, 14237-14248.	5.5	14
115	Electro-oxidation of methanol on Pt(111) in acid solutions: effects of electrolyte anions during electrocatalytic reactions. <i>Chemical Physics Letters</i> , 1995, 245, 304-310.	1.2	13
116	Electronic structure effects in catalysis probed by X-ray and electron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 113-124.	0.8	13
117	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. <i>Surface Science</i> , 2015, 640, 80-88.	0.8	13
118	Anisotropic X-Ray Scattering of Transiently Oriented Water. <i>Physical Review Letters</i> , 2020, 125, 076002.	2.9	13
119	The Fast-Track Water Oxidation Channel on $BiVO_4$ Opened by Nitrogen Treatment. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8758-8764.	2.1	13
120	Double Role of Water in the Fuel Cell Oxygen Reduction Reaction. <i>ECS Transactions</i> , 2008, 16, 1385-1394.	0.3	12
121	A comprehensive study on the characteristic spectroscopic features of nitrogen doped graphene. <i>Applied Surface Science</i> , 2019, 495, 143518.	3.1	11
122	Ultrafast Adsorbate Excitation Probed with Subpicosecond-Resolution X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , 2021, 127, 016802.	2.9	11
123	Sub-molecular structural relaxation at a physisorbed interface with monolayer organic single-crystal semiconductors. <i>Communications Physics</i> , 2020, 3, .	2.0	10
124	Scanning Tunneling Microscopy and Near Edge X-ray Absorption Fine Structure Studies of Adsorption of Trans-2-butene on Pd(110). <i>Japanese Journal of Applied Physics</i> , 2002, 41, 4911-4915.	0.8	9
125	Real-Time Elucidation of Catalytic Pathways in CO Hydrogenation on Ru. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3820-3825.	2.1	9
126	Soft X-ray spectroscopic study on the electronic structure of WO_3 thin films fabricated under various annealing temperature and gas flow conditions. <i>Current Applied Physics</i> , 2021, 21, 31-35.	1.1	9

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127	Low Barrier Carbon Induced CO Dissociation on Stepped Cu. <i>Physical Review Letters</i> , 2015, 114, 246101.	2.9	8
128	The significance of the local structure of cobalt-based catalysts on the photoelectrochemical water oxidation activity of BiVO ₄ . <i>Electrochimica Acta</i> , 2021, 366, 137467.	2.6	8
129	Orientation of unsaturated hydrocarbons on Pd(110). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 339-343.	0.8	7
130	Electronic structure effects from hydrogen bonding in the liquid phase and in chemisorption: an integrated theory and experimental effort. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 136-140.	1.0	7
131	Direct Interaction of Water Ice with Hydrophobic Methyl-Terminated Si(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 19004-19008.	1.5	7
132	Time-resolved x-ray photoelectron spectroscopy techniques for real-time studies of interfacial charge transfer dynamics. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	7
133	Small Clusters of Water Adsorbed on the Bilayer-Terminated Ice Surface: Infrared Reflection Adsorption Spectra and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2002, 106, 1695-1700.	1.1	6
134	Photochemistry of CFCl ₃ on ice surface: surface chlorine reservoir species. <i>Surface Science</i> , 2002, 502-503, 285-289.	0.8	5
135	Surface Electrochemistry. , 2008, , 397-455.		5
136	Stability of Pt-Modified Cu(111) in the Presence of Oxygen and Its Implication on the Overall Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16371-16380.	1.5	5
137	Weakening the strength of CO binding on subsurface alloyed Pt(111). <i>Surface Science</i> , 2019, 682, 1-7.	0.8	4
138	In Situ GIXAFS and HERFD-XAS Studies of a Pt-modified Rh(111) Electrode. <i>ECS Transactions</i> , 2009, 25, 1065-1072.	0.3	2
139	Identification of the electronic structure differences between polar isostructural FeO and CoO films by core-level soft x-ray spectroscopy. <i>Physical Review B</i> , 2013, 87, .	1.1	2
140	Atom-specific activation in CO oxidation. <i>Journal of Chemical Physics</i> , 2018, 149, 234707.	1.2	2
141	Electronic structure of Alq ₃ and Liq using soft X-ray spectroscopy and density functional theory calculation. <i>Current Applied Physics</i> , 2021, 30, 91-95.	1.1	2
142	A Laboratory-driven Multiscale Investigation of X-Ray Induced Mass Loss and Photochemical Evolution in Cosmic Carbon and Silicate Dust. <i>Astrophysical Journal</i> , 2022, 925, 86.	1.6	2
143	Oxygen adsorption and desorption induced surface phase transition of SrCuO ₂ (001). <i>Thin Solid Films</i> , 1996, 281-282, 120-123.	0.8	1
144	Unique water-water coordination tailored by a metal surface. <i>Journal of Chemical Physics</i> , 2013, 138, 234708.	1.2	1

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145	A novel method for resonant inelastic soft X-ray scattering <i>via</i> photoelectron spectroscopy detection. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 1180-1186.	1.0	1
146	X-ray Spectroscopic Probing of Water and Hydrogen Bonding. <i>Hyomen Kagaku</i> , 2006, 27, 220-225.	0.0	0
147	Inside Cover: Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells (ChemPhysChem 4/2010). <i>ChemPhysChem</i> , 2010, 11, 742-742.	1.0	0
148	Spectroscopic Identification of a Hydrogen Peroxide-Like Intermediate Formed after Molecular Oxygen Adsorption on Hydrogen Rich Pt(111). <i>ECS Transactions</i> , 2010, 33, 97-103.	0.3	0
149	CHAPTER 15. Electronic Structure and Bonding of Water to Noble Metal Surfaces. <i>RSC Energy and Environment Series</i> , 0, , 406-418.	0.2	0
150	Operando Soft X-ray Photoelectron Spectroscopy of Electrocatalytic Reactions. <i>Vacuum and Surface Science</i> , 2019, 62, 3-8.	0.0	0
151	Femtosecond Time-Resolved X-ray Photoelectron Spectroscopy Studies of Charge Transfer in Dye-Sensitized Semiconductor Nanocrystals. , 2013, , .		0
152	Using photoelectron spectroscopy to measure resonant inelastic X-ray scattering: a computational investigation. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 202-213.	1.0	0