

Simon R Bare

List of Publications by Year in descending order

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140
papers

6,922
citations

53794

45
h-index

64796

79
g-index

148
all docs

148
docs citations

148
times ranked

7019
citing authors

#	ARTICLE	IF	CITATIONS
1	Core-shell and egg-shell zeolite catalysts for enhanced hydrocarbon processing. Journal of Catalysis, 2022, 405, 664-675.	6.2	29
2	Colloidal Platinum-Copper Nanocrystal Alloy Catalysts Surpass Platinum in Low-Temperature Propene Combustion. Journal of the American Chemical Society, 2022, 144, 1612-1621.	13.7	24
3	CO oxidation on MgAl ₂ O ₄ supported Ir _n : activation of lattice oxygen in the subnanometer regime and emergence of nuclearity-activity volcano. Journal of Materials Chemistry A, 2022, 10, 4266-4278.	10.3	4
4	Reactivity of Pd-MO ₂ encapsulated catalytic systems for CO oxidation. Catalysis Science and Technology, 2022, 12, 1476-1486.	4.1	7
5	Fe Coordination Environment, Fe-Incorporated Ni(OH) ₂ Phase, and Metallic Core Are Key Structural Components to Active and Stable Nanoparticle Catalysts for the Oxygen Evolution Reaction. ACS Catalysis, 2022, 12, 1992-2008.	11.2	27
6	Steering CO ₂ hydrogenation toward C-C coupling to hydrocarbons using porous organic polymer/metal interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
7	Catalytic Performance and Near-Surface X-ray Characterization of Titanium Hydride Electrodes for the Electrochemical Nitrate Reduction Reaction. Journal of the American Chemical Society, 2022, 144, 5739-5744.	13.7	31
8	Iridium pair sites anchored to ZrO ₈ nodes of the metal-organic framework UiO-66 catalyze ethylene hydrogenation. Journal of Catalysis, 2022, 411, 177-186.	6.2	3
9	Atomically Dispersed Platinum in Surface and Subsurface Sites on MgO Have Contrasting Catalytic Properties for CO Oxidation. Journal of Physical Chemistry Letters, 2022, 13, 3896-3903.	4.6	7
10	Transformation of reduced graphene aerogel-supported atomically dispersed iridium into stable clusters approximated as Ir ₆ during ethylene hydrogenation catalysis. Journal of Catalysis, 2022, 413, 603-613.	6.2	2
11	Impurity Control in Catalyst Design: The Role of Sodium in Promoting and Stabilizing Co and Co ₂ C for Syngas Conversion. ChemCatChem, 2021, 13, 1186-1194.	3.7	6
12	Understanding Support Effects of ZnO-Promoted Co Catalysts for Syngas Conversion to Alcohols Using Atomic Layer Deposition. ChemCatChem, 2021, 13, 770-781.	3.7	4
13	On the Cobalt Carbide Formation in a Co/TiO ₂ Fischer-Tropsch Synthesis Catalyst as Studied by High-Pressure, Long-Term Operando X-ray Absorption and Diffraction. ACS Catalysis, 2021, 11, 2956-2967.	11.2	33
14	Directing reaction pathways via in situ control of active site geometries in PdAu single-atom alloy catalysts. Nature Communications, 2021, 12, 1549.	12.8	82
15	Operando high-pressure investigation of size-controlled CuZn catalysts for the methanol synthesis reaction. Nature Communications, 2021, 12, 1435.	12.8	62
16	Catalytic CO Oxidation on MgAl ₂ O ₄ -Supported Iridium Single Atoms: Ligand Configuration and Site Geometry. Journal of Physical Chemistry C, 2021, 125, 11380-11390.	3.1	13
17	Understanding Degradation Mechanisms in SrIrO ₃ Oxygen Evolution Electrocatalysts: Chemical and Structural Microscopy at the Nanoscale. Advanced Functional Materials, 2021, 31, 2101542.	14.9	16
18	Beyond Radical Rebound: Methane Oxidation to Methanol Catalyzed by Iron Species in Metal-Organic Framework Nodes. Journal of the American Chemical Society, 2021, 143, 12165-12174.	13.7	51

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19	Characterization of a Metal-Organic Framework Zr ₆ O ₈ Node-Supported Atomically Dispersed Iridium Catalyst for Ethylene Hydrogenation by X-ray Absorption Near-Edge Structure and Infrared Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16995-17007.	3.1	5
20	Identifying higher oxygenate synthesis sites in Cu catalysts promoted and stabilized by atomic layer deposited Fe ₂ O ₃ . <i>Journal of Catalysis</i> , 2021, 404, 210-223.	6.2	2
21	Monolayer Support Control and Precise Colloidal Nanocrystals Demonstrate Metal-Support Interactions in Heterogeneous Catalysts. <i>Advanced Materials</i> , 2021, 33, e2104533.	21.0	13
22	Insights and comparison of structure-property relationships in propane and propene catalytic combustion on Pd- and Pt-based catalysts. <i>Journal of Catalysis</i> , 2021, 401, 89-101.	6.2	24
23	Lanthanum induced lattice strain improves hydrogen sulfide capacities of copper oxide adsorbents. <i>AIChE Journal</i> , 2021, 67, e17484.	3.6	3
24	Dynamic Surface Reconstruction Unifies the Electrocatalytic Oxygen Evolution Performance of Nonstoichiometric Mixed Metal Oxides. <i>JACS Au</i> , 2021, 1, 2224-2241.	7.9	23
25	A Theory-Guided X-ray Absorption Spectroscopy Approach for Identifying Active Sites in Atomically Dispersed Transition-Metal Catalysts. <i>Journal of the American Chemical Society</i> , 2021, 143, 20144-20156.	13.7	28
26	First-Principles Approach to Extracting Chemical Information from X-ray Absorption Near-Edge Spectra of Ga-Containing Materials. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27901-27908.	3.1	5
27	Mechanistic and Electronic Insights into a Working NiAu Single-Atom Alloy Ethanol Dehydrogenation Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 21567-21579.	13.7	28
28	Insight into restructuring of Pd-Au nanoparticles using EXAFS. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108304.	2.8	9
29	Uniformity Is Key in Defining Structure-Function Relationships for Atomically Dispersed Metal Catalysts: The Case of Pt/CeO ₂ . <i>Journal of the American Chemical Society</i> , 2020, 142, 169-184.	13.7	170
30	Enhanced alcohol production over binary Mo/Co carbide catalysts in syngas conversion. <i>Journal of Catalysis</i> , 2020, 391, 446-458.	6.2	12
31	Insights into Copper Sulfide Formation from Cu and S K edge XAS and DFT studies. <i>Inorganic Chemistry</i> , 2020, 59, 15276-15288.	4.0	8
32	Electronic Structure of Atomically Dispersed Supported Iridium Catalyst Controls Iridium Aggregation. <i>ACS Catalysis</i> , 2020, 10, 12354-12358.	11.2	17
33	Revealing the structure of a catalytic combustion active-site ensemble combining uniform nanocrystal catalysts and theory insights. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14721-14729.	7.1	16
34	The Consortium for Operando and Advanced Catalyst Characterization via Electronic Spectroscopy and Structure (Co-ACCESS) at Stanford Synchrotron Radiation Lightsource (SSRL). <i>Synchrotron Radiation News</i> , 2020, 33, 15-19.	0.8	3
35	Unraveling the individual influences of supports and ionic liquid coatings on the catalytic properties of supported iridium complexes and iridium clusters. <i>Journal of Catalysis</i> , 2020, 387, 186-195.	6.2	18
36	Tunable Catalytic Performance of Palladium Nanoparticles for H ₂ O ₂ Direct Synthesis via Surface-Bound Ligands. <i>ACS Catalysis</i> , 2020, 10, 5202-5207.	11.2	39

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37	Catalyst deactivation via decomposition into single atoms and the role of metal loading. <i>Nature Catalysis</i> , 2019, 2, 748-755.	34.4	171
38	Transition state and product diffusion control by polymer-encapsulated nanocrystal hybrid catalysts. <i>Nature Catalysis</i> , 2019, 2, 852-863.	34.4	64
39	Atomically Dispersed Reduced Graphene Aerogel-Supported Iridium Catalyst with an Iridium Loading of 14.8 wt %. <i>ACS Catalysis</i> , 2019, 9, 9905-9913.	11.2	55
40	Engineering of Ruthenium-Encapsulated Iron Oxide Colloidal Heterostructures: Improved Yields in CO ₂ Hydrogenation to Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17451-17457.	13.8	49
41	Engineering of Ruthenium-Encapsulated Iron Oxide Colloidal Heterostructures: Improved Yields in CO ₂ Hydrogenation to Hydrocarbons. <i>Angewandte Chemie</i> , 2019, 131, 17612-17618.	2.0	7
42	Palladium oxidation leads to methane combustion activity: Effects of particle size and alloying with platinum. <i>Journal of Chemical Physics</i> , 2019, 151, 154703.	3.0	30
43	Understanding Structure-Property Relationships of MoO ₃ -Promoted Rh Catalysts for Syngas Conversion to Alcohols. <i>Journal of the American Chemical Society</i> , 2019, 141, 19655-19668.	13.7	41
44	Structure, Dynamics, and Reactivity for Light Alkane Oxidation of Fe(II) Sites Situated in the Nodes of a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 18142-18151.	13.7	80
45	A versatile approach for quantification of surface site fractions using reaction kinetics: The case of CO oxidation on supported Ir single atoms and nanoparticles. <i>Journal of Catalysis</i> , 2019, 378, 121-130.	6.2	49
46	Controlling catalytic activity and selectivity for partial hydrogenation by tuning the environment around active sites in iridium complexes bonded to supports. <i>Chemical Science</i> , 2019, 10, 2623-2632.	7.4	40
47	Catalysis by Single Metal Atoms: What is All the Fuss About?. <i>Synchrotron Radiation News</i> , 2019, 32, 22-23.	0.8	0
48	Structural evolution of atomically dispersed Pt catalysts dictates reactivity. <i>Nature Materials</i> , 2019, 18, 746-751.	27.5	404
49	Dynamic Reorganization and Confinement of Ti ^{IV} Active Sites Controls Olefin Epoxidation Catalysis on Two-Dimensional Zeotypes. <i>Journal of the American Chemical Society</i> , 2019, 141, 7090-7106.	13.7	68
50	Identification of the active complex for CO oxidation over single-atom Ir-on-MgAl ₂ O ₄ catalysts. <i>Nature Catalysis</i> , 2019, 2, 149-156.	34.4	222
51	Probing the Location and Speciation of Elements in Zeolites with Correlated Atom Probe Tomography and Scanning Transmission X-Ray Microscopy. <i>ChemCatChem</i> , 2019, 11, 488-494.	3.7	19
52	Probing Atomic Distributions in Mono- and Bimetallic Nanoparticles by Supervised Machine Learning. <i>Nano Letters</i> , 2019, 19, 520-529.	9.1	80
53	Role of Co ₂ C in ZnO-promoted Co Catalysts for Alcohol Synthesis from Syngas. <i>ChemCatChem</i> , 2019, 11, 799-809.	3.7	26
54	<i>In situ</i> observation of phase changes of a silica-supported cobalt catalyst for the Fischer-Tropsch process by the development of a synchrotron-compatible <i>in situ/operando</i> powder X-ray diffraction cell. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1673-1682.	2.4	47

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55	Low-Temperature Restructuring of CeO ₂ -Supported Ru Nanoparticles Determines Selectivity in CO ₂ Catalytic Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 13736-13745.	13.7	210
56	Synthesis of Colloidal Pd/Au Dilute Alloy Nanocrystals and Their Potential for Selective Catalytic Oxidations. <i>Journal of the American Chemical Society</i> , 2018, 140, 12930-12939.	13.7	92
57	Direct observation of the kinetics of gas-solid reactions using <i>in situ</i> kinetic and spectroscopic techniques. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 668-675.	3.7	8
58	Characterization of Coke on a Pt-Re/Al ₂ O ₃ Re-Forming Catalyst: Experimental and Theoretical Study. <i>ACS Catalysis</i> , 2017, 7, 1452-1461.	11.2	29
59	Uniform Pt/Pd Bimetallic Nanocrystals Demonstrate Platinum Effect on Palladium Methane Combustion Activity and Stability. <i>ACS Catalysis</i> , 2017, 7, 4372-4380.	11.2	124
60	High-Energy-Resolution X-ray Absorption Spectroscopy for Identification of Reactive Surface Species on Supported Single-Site Iridium Catalysts. <i>Chemistry - A European Journal</i> , 2017, 23, 14760-14768.	3.3	35
61	Tuning the Selectivity of Single-Site Supported Metal Catalysts with Ionic Liquids. <i>ACS Catalysis</i> , 2017, 7, 6969-6972.	11.2	51
62	High-Energy-Resolution X-ray Absorption Spectroscopy for Identification of Reactive Surface Species on Supported Single-Site Iridium Catalysts. <i>Chemistry - A European Journal</i> , 2017, 23, 14669-14669.	3.3	0
63	Nanoscale Chemical Imaging of Coking Mechanisms in a Zeolite ZSM-5 Crystal by Atom Probe Tomography. <i>Microscopy and Microanalysis</i> , 2017, 23, 674-675.	0.4	5
64	Coke Formation in a Zeolite Crystal During the Methanol-to-Hydrocarbons Reaction as Studied with Atom Probe Tomography. <i>Angewandte Chemie</i> , 2016, 128, 11339-11343.	2.0	16
65	Coke Formation in a Zeolite Crystal During the Methanol-to-Hydrocarbons Reaction as Studied with Atom Probe Tomography. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11173-11177.	13.8	74
66	Transmission and fluorescence X-ray absorption spectroscopy cell/flow reactor for powder samples under vacuum or in reactive atmospheres. <i>Review of Scientific Instruments</i> , 2016, 87, 073108.	1.3	24
67	Surface analysis of zeolites: An XPS, variable kinetic energy XPS, and low energy ion scattering study. <i>Surface Science</i> , 2016, 648, 376-382.	1.9	33
68	Aberration-Corrected Transmission Electron Microscopy and <i>In Situ</i> XAFS Structural Characterization of Pt/Al ₂ O ₃ Nanoparticles. <i>ChemCatChem</i> , 2015, 7, 3779-3787.	3.7	29
69	Determining the location and nearest neighbours of aluminium in zeolites with atom probe tomography. <i>Nature Communications</i> , 2015, 6, 7589.	12.8	139
70	Spectroscopic and Computational Insights on Catalytic Synergy in Bimetallic Aluminophosphate Catalysts. <i>Journal of the American Chemical Society</i> , 2015, 137, 8534-8540.	13.7	23
71	Expanding Beyond the Micropore: Active-Site Engineering in Hierarchical Architectures for Beckmann Rearrangement. <i>ACS Catalysis</i> , 2015, 5, 6587-6593.	11.2	41
72	Pressure-Dependent Effect of Hydrogen Adsorption on Structural and Electronic Properties of Pt/Al ₂ O ₃ Nanoparticles. <i>ChemCatChem</i> , 2014, 6, 348-352.	3.7	46

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73	Science and Technology of Framework Metal-Containing Zeotype Catalysts. <i>Advances in Catalysis</i> , 2014, 57, 1-97.	0.2	12
74	Characterization of a Fluidized Catalytic Cracking Catalyst on Ensemble and Individual Particle Level by X-ray Micro- and Nanotomography, X-ray Fluorescence, and X-ray Diffraction. <i>ChemCatChem</i> , 2014, 6, 1427-1437.	3.7	13
75	Operando IV. <i>Catalysis Today</i> , 2013, 205, 1-2.	4.4	10
76	Interplay between nanoscale reactivity and bulk performance of H-ZSM-5 catalysts during the methanol-to-hydrocarbons reaction. <i>Journal of Catalysis</i> , 2013, 307, 185-193.	6.2	51
77	Operando Effects on the Structure and Dynamics of Pt _n Sn _m / γ -Al ₂ O ₃ from Ab Initio Molecular Dynamics and X-ray Absorption Spectra. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12446-12457.	3.1	33
78	Electronic properties and charge transfer phenomena in Pt nanoparticles on γ -Al ₂ O ₃ : size, shape, support, and adsorbate effects. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11766.	2.8	76
79	Experimental (XAS, STEM, TPR, and XPS) and Theoretical (DFT) Characterization of Supported Rhenium Catalysts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5740-5755.	3.1	83
80	Controlled one-step synthesis of hierarchically structured macroscopic silica spheres. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 18-27.	4.4	10
81	In Situ X-ray Absorption Fine Structure (XAFS) Applied to Catalyst Characterization at UOP: Examples and Perspectives. <i>Synchrotron Radiation News</i> , 2011, 24, 12-17.	0.8	3
82	Characterizing industrial catalysts using in situ XAFS under identical conditions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7702.	2.8	31
83	Structural characterization of Ni-W hydrocracking catalysts using in situ EXAFS and HRTEM. <i>Journal of Catalysis</i> , 2009, 263, 16-33.	6.2	45
84	Morphology-dependent zeolite intergrowth structures leading to distinct internal and outer-surface molecular diffusion barriers. <i>Nature Materials</i> , 2009, 8, 959-965.	27.5	251
85	Manganese oxide catalyzed methane partial oxidation in trifluoroacetic acid: Catalysis and kinetic analysis. <i>Catalysis Today</i> , 2009, 140, 157-161.	4.4	42
86	Chapter 6 Characterization of Catalysts in Reactive Atmospheres by X-ray Absorption Spectroscopy. <i>Advances in Catalysis</i> , 2009, 52, 339-465.	0.2	49
87	Alumina-Supported Trirhenium Clusters: Stable High-Temperature Catalysts for Methylcyclohexane Conversion. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3383-3391.	3.1	14
88	Oxidative desulfurization of sulfur compounds: Oxidation of thiophene and derivatives with hydrogen peroxide using Ti-Beta catalyst. <i>Studies in Surface Science and Catalysis</i> , 2008, , 1017-1020.	1.5	12
89	In Situ XAS of Ni-W Hydrocracking Catalysts. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
90	Design and Operation of an In Situ High Pressure Reaction Cell for X-Ray Absorption Spectroscopy. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1

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91	Design and operation of a high pressure reaction cell for in situ X-ray absorption spectroscopy. <i>Catalysis Today</i> , 2007, 126, 18-26.	4.4	43
92	Meeting Report: Synchrotron Catalysis Consortium: New Opportunities for In Situ XAFS Studies of Nanocatalysis. <i>Synchrotron Radiation News</i> , 2006, 19, 40-42.	0.8	0
93	Directed-Sorting Method for Synthesis of Bead-Based Combinatorial Libraries of Heterogeneous Catalysts. <i>ACS Combinatorial Science</i> , 2006, 8, 199-212.	3.3	11
94	Simple flow through reaction cells for in situ transmission and fluorescence x-ray-absorption spectroscopy of heterogeneous catalysts. <i>Review of Scientific Instruments</i> , 2006, 77, 023105.	1.3	27
95	Meeting Reports: Catalysis Research at the APS. <i>Synchrotron Radiation News</i> , 2005, 18, 27-28.	0.8	0
96	Uniform Catalytic Site in Sn- β -Zeolite Determined Using X-ray Absorption Fine Structure. <i>Journal of the American Chemical Society</i> , 2005, 127, 12924-12932.	13.7	147
97	<i>Surface Chemistry</i> , 2003, , 373-421.		5
98	NSLS course on EXAFS data collection and analysis. <i>Synchrotron Radiation News</i> , 2002, 15, 10-10.	0.8	0
99	Recent advances in the application of synchrotron radiation to catalysis. <i>Synchrotron Radiation News</i> , 2002, 15, 10-11.	0.8	0
100	Split-Pool Method for Synthesis of Solid-State Material Combinatorial Libraries. <i>ACS Combinatorial Science</i> , 2002, 4, 569-575.	3.3	36
101	In-Situ XANES of Carbon-Supported Pt \wedge Ru Anode Electrocatalyst for Reformate-Air Polymer Electrolyte Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3458-3465.	2.6	97
102	Sensitivity of Pt x-ray absorption near edge structure to the morphology of small Pt clusters. <i>Journal of Chemical Physics</i> , 2002, 116, 1911-1919.	3.0	128
103	Effect of Hydrogen Adsorption on the X-Ray Absorption Spectra of Small Pt Clusters. <i>Physical Review Letters</i> , 2001, 86, 1642-1645.	7.8	86
104	National synchrotron light source 2001 annual users' meeting. <i>Synchrotron Radiation News</i> , 2001, 14, 2-6.	0.8	0
105	Hybridization peaks in Pt \wedge Cl XANES1Supported in part by the US DOE and by UOP LLC.1. <i>Chemical Physics Letters</i> , 2000, 316, 495-500.	2.6	54
106	Structural Characteristics and Reactivity/Reducibility Properties of Dispersed and Bilayered V2O5/TiO2/SiO2 Catalysts. <i>Journal of Physical Chemistry B</i> , 1999, 103, 618-629.	2.6	117
107	The desorption of propylene oxide from oxygen atom and hydroxyl covered Ag(110). <i>Surface Science</i> , 1998, 401, 1-11.	1.9	11
108	Synthesis, Bonding, and Reactions of π -Bonded Allyl Groups on Cu(100); Allyl Radical Ejection. <i>Langmuir</i> , 1998, 14, 1943-1943.	3.5	0

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109	Surface Structure of Highly Dispersed MoO ₃ on MgO Using in Situ Mo L ₃ -Edge XANES. Langmuir, 1998, 14, 1500-1504.	3.5	28
110	In Situ Spectroscopic Investigation of Molecular Structures of Highly Dispersed Vanadium Oxide on Silica under Various Conditions. Journal of Physical Chemistry B, 1998, 102, 10842-10852.	2.6	338
111	An in situ x-ray absorption spectroscopic cell for high temperature gas-flow measurements. Review of Scientific Instruments, 1998, 69, 2618-2621.	1.3	24
112	Degradation of Multiply-Chlorinated Hydrocarbons on Cu(100). Langmuir, 1997, 13, 229-242.	3.5	46
113	Supported VPO Catalysts for Selective Oxidation of Butane. II. Characterization of VPO/SiO ₂ Catalysts. Journal of Physical Chemistry B, 1997, 101, 6895-6902.	2.6	42
114	Oxidation of cyclopropane with coadsorbed oxygen on Pt(111). Surface Science, 1997, 374, 162-168.	1.9	17
115	The reaction of propylene with ordered and disordered oxygen atoms adsorbed on the Ag(110) surface. Surface Science, 1997, 382, 266-274.	1.9	11
116	Chemistry of chloroethylenes on Cu(100): bonding and reactions. Surface Science, 1997, 380, 151-164.	1.9	34
117	Generation and Reaction of Vinyl Groups on a Cu(100) Surface. The Journal of Physical Chemistry, 1996, 100, 12431-12439.	2.9	30
118	Workshop on in situ applications of x-ray absorption fine structure. Synchrotron Radiation News, 1996, 9, 9-9.	0.8	0
119	Workshop on recent advances in the application of SR to catalysis. Synchrotron Radiation News, 1995, 8, 5-5.	0.8	0
120	Generation of atomic oxygen on Ag(111) and Ag(110) using NO ₂ : a TPD, LEED, HREELS, XPS and NRA study. Surface Science, 1995, 342, 185-198.	1.9	128
121	Surface Structures of Supported Molybdenum Oxide Catalysts: Characterization by Raman and Mo L ₃ -Edge XANES. The Journal of Physical Chemistry, 1995, 99, 10897-10910.	2.9	358
122	Local site symmetry of dispersed molybdenum oxide catalysts: XANES at the Mo L _{2,3} -edges. The Journal of Physical Chemistry, 1993, 97, 6048-6053.	2.9	87
123	Comparison of ethylene oxide and propylene oxide chemisorbed on clean and oxygen precovered Ag(110). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2336-2341.	2.1	33
124	Surface Chemistry. , 1988, , 63-189.		0
125	The influence of orientation on the H-D exchange reactions in chemisorbed aromatics: Benzene and pyridine adsorbed on Pt{110}. Surface Science, 1987, 179, 243-253.	1.9	44
126	Ammonia synthesis over iron single-crystal catalysts: the effects of alumina and potassium. The Journal of Physical Chemistry, 1986, 90, 4726-4729.	2.9	92

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127	Characterization of the adsorption and decomposition of methanol on Ni(110). Surface Science Letters, 1985, 150, A51.	0.1	17
128	The effects of preadsorbed oxygen on the adsorption and decomposition of methanol on Ni(110). Surface Science Letters, 1985, 155, L281-L291.	0.1	0
129	Observation of Structure-Induced Surface Vibrational Resonances on Metal Surfaces. Physical Review Letters, 1985, 54, 1428-1431.	7.8	83
130	Summary Abstract: Isolation of a formate intermediate in the decomposition of methanol on Ni(110) (2 Å ⁻¹)O. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1985, 3, 1647-1648.	2.1	3
131	The effects of preadsorbed oxygen on the adsorption and decomposition of methanol on Ni(110). Surface Science, 1985, 155, L281-L291.	1.9	29
132	Reaction of methanol on Si(111)-7 Å ⁻¹ . Surface Science, 1985, 154, 35-51.	1.9	73
133	Characterization of the adsorption and decomposition of methanol on Ni(110). Surface Science, 1985, 150, 399-418.	1.9	103
134	The chemisorption and decomposition of ethylene and acetylene on Ni(110). Surface Science, 1984, 148, 499-525.	1.9	126
135	Vibrational studies of the surface phases of CO on Pt{110} at 300 K. Surface Science, 1984, 144, 347-369.	1.9	113
136	Spatial intensity distributions from electron impact scattering modes: W{100}(1 Å ⁻¹)H. Journal of Electron Spectroscopy and Related Phenomena, 1983, 29, 265-272.	1.7	13
137	Direct characterization of a catalytic surface reaction step: Benzene-deuterium exchange on Pt{110}. Surface Science, 1983, 126, 349-358.	1.9	39
138	Surface phase transitions in CO chemisorption on Pt{110}. Surface Science, 1982, 117, 245-256.	1.9	135
139	Tilted CO chemisorbed on Pt {110}. Vacuum, 1981, 31, 463-465.	3.5	20
140	Angle-resolved thermal desorption of N ₂ from W{310} and W{110}. Vacuum, 1981, 31, 503-506.	3.5	62