

Michael Trenary

List of Publications by Year in descending order

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147
papers

3,259
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159585

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docs citations

149
times ranked

3035
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissociation of Single O ₂ Molecules on Ag(110) by Electrons, Holes, and Localized Surface Plasmons. Chemical Record, 2022, , e202200011.	5.8	1
2	Conformer-Selective Adsorption of 1-Propanol on the Ag(111) Surface. Journal of Physical Chemistry C, 2022, 126, 7281-7287.	3.1	2
3	Interaction of CO with Pt nanoclusters on a graphene-covered Ru(0001) surface. Journal of Chemical Physics, 2021, 154, 114701.	3.0	1
4	The influence of palladium on the hydrogenation of acetylene on Ag(111). Journal of Chemical Physics, 2021, 154, 184701.	3.0	8
5	Heat of Adsorption of Propyne on Cu(111) from Isotherms Measured by Reflection Absorption Infrared Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 18786-18791.	3.1	2
6	Dissociation Mechanism of a Single O ₂ Molecule Chemisorbed on Ag(110). Journal of Physical Chemistry Letters, 2021, 12, 9868-9873.	4.6	3
7	Room Temperature Migration of Ag Atoms to Cover Pd Islands on Ag(111). Journal of Physical Chemistry C, 2021, 125, 27828-27836.	3.1	5
8	Decomposition of ammonia on ZrB ₂ (0001). Chemical Physics Letters, 2020, 739, 136984.	2.6	1
9	Adsorption properties of acrolein, propanal, 2-propenol, and 1-propanol on Ag(111). Physical Chemistry Chemical Physics, 2020, 22, 25011-25020.	2.8	11
10	Propyne Hydrogenation over a Pd/Cu(111) Single-Atom Alloy Studied using Ambient Pressure Infrared Spectroscopy. ACS Catalysis, 2020, 10, 9716-9724.	11.2	23
11	Adsorption of CO to Characterize the Structure of a Pd/Ag(111) Single-Atom Alloy Surface. Journal of Physical Chemistry C, 2020, 124, 14722-14729.	3.1	22
12	Single-Molecule Study of a Plasmon-Induced Reaction for a Strongly Chemisorbed Molecule. Angewandte Chemie - International Edition, 2020, 59, 7960-7966.	13.8	37
13	Single-Molecule Study of a Plasmon-Induced Reaction for a Strongly Chemisorbed Molecule. Angewandte Chemie, 2020, 132, 8034-8040.	2.0	2
14	Innentitelbild: Single-Molecule Study of a Plasmon-Induced Reaction for a Strongly Chemisorbed Molecule (Angew. Chem. 20/2020). Angewandte Chemie, 2020, 132, 7698-7698.	2.0	0
15	Selective Hydrogenation of Acrolein on a Pd/Ag(111) Single-Atom Alloy Surface. Journal of Physical Chemistry C, 2020, 124, 24271-24278.	3.1	12
16	Reaction pathways for HCN on transition metal surfaces. Physical Chemistry Chemical Physics, 2019, 21, 5274-5284.	2.8	4
17	Real-space and real-time observation of a plasmon-induced chemical reaction of a single molecule. Science, 2018, 360, 521-526.	12.6	224
18	Growth of Pd Nanoclusters on Single-Layer Graphene on Cu(111). Journal of Physical Chemistry B, 2018, 122, 572-577.	2.6	4

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19	Selective Hydrogenation of Acrolein to Propanal on a Pseudomorphic Pt/Ru(001) Bimetallic Surface. <i>Topics in Catalysis</i> , 2018, 61, 318-327.	2.8	6
20	STM studies of photochemistry and plasmon chemistry on metal surfaces. <i>Progress in Surface Science</i> , 2018, 93, 163-176.	8.3	21
21	Direct Pathway to Molecular Photodissociation on Metal Surfaces Using Visible Light. <i>Journal of the American Chemical Society</i> , 2017, 139, 3115-3121.	13.7	60
22	Polarization-Dependent Infrared Spectroscopy of Adsorbed Carbon Monoxide To Probe the Surface of a Pd/Cu(111) Single-Atom Alloy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9361-9369.	3.1	29
23	Spectroscopic Identification of Surface Intermediates in the Decomposition of Methylamine on Ru(001). <i>Journal of Physical Chemistry C</i> , 2017, 121, 9424-9432.	3.1	2
24	Adsorption and Hydrogenation of Acrolein on Ru(001). <i>Journal of Physical Chemistry C</i> , 2017, 121, 4384-4392.	3.1	11
25	Deposition and characterization of stoichiometric films of V ₂ O ₅ on Pd(111). <i>Surface Science</i> , 2017, 664, 1-7.	1.9	6
26	Surface chemistry of propanal, 2-propenol, and 1-propanol on Ru(001). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10870-10877.	2.8	10
27	Selective Hydrogenation of Acetylene to Ethylene in the Presence of a Carbonaceous Surface Layer on a Pd/Cu(111) Single-Atom Alloy. <i>ACS Catalysis</i> , 2017, 7, 8042-8049.	11.2	82
28	Single-Molecule Dynamics in the Presence of Strong Intermolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4369-4373.	4.6	4
29	In-situ spectroscopic monitoring of the ambient pressure hydrogenation of C ₂ to ethane on Pt(111). <i>Surface Science</i> , 2016, 652, 142-147.	1.9	4
30	Hydrogenation and dehydrogenation reactions of C ₂ H _x moieties on the Ru(001) surface. <i>Surface Science</i> , 2016, 650, 144-148.	1.9	3
31	Confinement of the Pt(111) Surface State in Graphene Nanoislands. <i>Journal of Physical Chemistry C</i> , 2016, 120, 345-349.	3.1	9
32	Kinetics of Aminocarbyne Formation on Pt(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 14506-14512.	3.1	3
33	Spectroscopic characterization of C ₂ H _x intermediates in the dissociation of vinyl iodide on Pt(111). <i>Surface Science</i> , 2015, 637-638, 29-34.	1.9	9
34	Simultaneous Monitoring of Surface and Gas Phase Species during Hydrogenation of Acetylene over Pt(111) by Polarization-Dependent Infrared Spectroscopy. <i>ACS Catalysis</i> , 2015, 5, 4725-4733.	11.2	25
35	Formation of Pt and Rh Nanoclusters on a Graphene Moiré Pattern on Cu(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 24796-24803.	3.1	16
36	Atomic-Scale Dynamics of Surface-Catalyzed Hydrogenation/Dehydrogenation: NH on Pt(111). <i>ACS Nano</i> , 2015, 9, 8303-8311.	14.6	6

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37	Structure and Reactivity of Molecularly Adsorbed Ammonia on the ZrB ₂ (0001) Surface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29260-29269.	3.1	3
38	Surface morphology of atomic nitrogen on Pt(111). <i>Journal of Chemical Physics</i> , 2014, 140, 114707.	3.0	4
39	Surface Hydrogenation Reactions at the Single-Molecule Level. <i>Chemical Record</i> , 2014, 14, 819-826.	5.8	3
40	Spectroscopic evidence for a CO-O ₂ complex as a precursor to the low temperature oxidation of CO on the Pt(111) surface. <i>Chemical Physics Letters</i> , 2014, 593, 204-208.	2.6	10
41	Dissociative adsorption of ammonia on the ZrB ₂ (0001) surface. <i>Surface Science</i> , 2013, 615, 110-118.	1.9	6
42	Observation of Tunneling in the Hydrogenation of Atomic Nitrogen on the Ru(001) Surface to Form NH. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3779-3786.	4.6	17
43	Molecular Oxygen Network as a Template for Adsorption of Ammonia on Pt(111). <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2900-2905.	4.6	6
44	Orbital-selective single molecule reactions on a metal surface studied using low-temperature scanning tunneling microscopy. <i>Chemical Communications</i> , 2013, 49, 4679.	4.1	7
45	Nucleation behavior of supported Rh nanoparticles fabricated from Rh(CO) ₂ (acac) on Al ₂ O ₃ /Ni ₃ Al(111). <i>Chemical Physics Letters</i> , 2013, 555, 7-11.	2.6	7
46	Spectroscopic Identification of Surface Intermediates in the Dehydrogenation of Ethylamine on Pt(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 4666-4679.	3.1	3
47	Dissociation of trimethylgallium on the ZrB ₂ (0001) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, 061405.	2.1	5
48	Surface science studies of metal hexaborides. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 023002.	6.1	55
49	Kinetics of HCN Decomposition on the Pt(111) Surface by Time-Dependent Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4091-4096.	3.1	4
50	Formation of Benzonitrile from the Reaction of Styrene with Nitrogen on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19300-19306.	3.1	2
51	Controlled Synthesis of Rh Nanoparticles on TiO ₂ (110) via Rh(CO) ₂ (acac). <i>Journal of Physical Chemistry C</i> , 2012, 116, 11987-11993.	3.1	13
52	Adsorption and dissociation of water on LaB ₆ (100) investigated by surface vibrational spectroscopy. <i>Surface Science</i> , 2012, 606, 247-252.	1.9	10
53	Graphene domain boundaries on Pt(111) as nucleation sites for Pt nanocluster formation. <i>Surface Science</i> , 2012, 606, 1643-1648.	1.9	24
54	Dissociative adsorption of hydrogen on the ZrB ₂ (0001) surface. <i>Surface Science</i> , 2012, 606, 1808-1814.	1.9	8

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55	Identification at the Single Molecule Level of C ₂ H _x Moieties Derived from Acetylene on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18372-18381.	3.1	12
56	Aminovinylidene: A Stable Surface Intermediate in the Dehydrogenation of Ethylamine on Pt(111). <i>ChemCatChem</i> , 2012, 4, 1075-1078.	3.7	5
57	Thermal and Electron-Induced Decomposition of 2-Butanol on Pt(111). <i>Journal of Physical Chemistry A</i> , 2011, 115, 5785-5793.	2.5	1
58	Alternate Pathway to Ammonia Formation in NO _x Reduction: Direct Reaction of Acetylene and Nitrogen Atoms on Pt (111). <i>ACS Catalysis</i> , 2011, 1, 1679-1682.	11.2	1
59	Coexistence and Interconversion of Di- σ and π -Bonded Ethylene on the Pt(111) and Pd(110) Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2263-2266.	4.6	20
60	Scanning tunneling microscopy and inelastic electron tunneling spectroscopy studies of methyl isocyanide adsorbed on Pt(111). <i>Journal of Physics: Conference Series</i> , 2010, 235, 012003.	0.4	1
61	Vibrational spectroscopy of oxygen on the (100) and (111) surfaces of lanthanum hexaboride. <i>Surface Science</i> , 2010, 604, 1202-1207.	1.9	10
62	Formation of Ruthenium-Tin Nanoparticles on Al ₂ O ₃ /Ni ₃ Al(111) from an Organometallic Precursor. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17062-17068.	3.1	5
63	Site Switching from Di- σ Ethylene to π -Bonded Ethylene in the Presence of Coadsorbed Nitrogen on Pt(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 12230-12233.	3.1	5
64	Vibrational Spectroscopy of Adsorbates on the (111) and (100) Surfaces of Lanthanum Hexaboride. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010, , 181-193.	0.3	0
65	Synthesis of crystalline boron nanoribbons and calcium hexaboride nanowires by low pressure chemical vapor deposition. <i>Journal of Physics: Conference Series</i> , 2009, 176, 012011.	0.4	11
66	Probing the properties of the (111) and (100) surfaces of LaB ₆ through infrared spectroscopy of adsorbed CO. <i>Surface Science</i> , 2009, 603, 3011-3020.	1.9	14
67	Adsorption and thermal decomposition of N-methylaniline on Pt(111). <i>Surface Science</i> , 2009, 603, 3215-3221.	1.9	8
68	Adsorption and Dehydrogenation of Decaborane on the Pt(111) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13847-13854.	3.1	7
69	COMPARISON OF THE DEHYDROGENATION CHEMISTRY OF CARBORANE AND DECABORANE ON THE Pt(111) SURFACE. , 2009, , .		0
70	LOW TEMPERATURE TRANSMISSION IR SPECTRA OF SODIUM AND LITHIUM BOROHYDRIDE. , 2009, , .		0
71	Surface Chemistry of NCO Formed from HNCO on Pt(111). <i>Journal of Physical Chemistry C</i> , 2008, 112, 20443-20450.	3.1	15
72	Formation of Methyl Isocyanide from Dimethylamine on Pt(111). <i>Journal of Physical Chemistry C</i> , 2008, 112, 3794-3799.	3.1	4

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73	Adsorption and Dehydrogenation of <i>Ortho</i> -Carborane on the Pt(111) Surface. Journal of Physical Chemistry C, 2008, 112, 8682-8689.	3.1	11
74	Synthesis and Characterization of Single-Crystal Strontium Hexaboride Nanowires. Nano Letters, 2008, 8, 3794-3798.	9.1	33
75	Reversible Control of Hydrogenation of a Single Molecule. Science, 2007, 316, 1883-1886.	12.6	77
76	Carbon-Nitrogen Bond Formation from the Reaction of Ammonia with Dicarbon on the Pt(111) Surface. Journal of Physical Chemistry C, 2007, 111, 17088-17093.	3.1	15
77	Spectroscopic Characterization of Vinyl Formed from Acetylene on Pt(111). Journal of Physical Chemistry C, 2007, 111, 1459-1466.	3.1	19
78	Kinetics of NH Formation and Dissociation on Pt(111). Journal of Physical Chemistry C, 2007, 111, 7127-7136.	3.1	17
79	Single Molecule Observations of the Adsorption Sites of Methyl Isocyanide on Pt(111) by Low-Temperature Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2006, 110, 20344-20349.	2.6	15
80	Formation and hydrogenation of <i>p</i> (2 \tilde{A} -2)-N on Pt(111). Surface Science, 2006, 600, 4563-4571.	1.9	15
81	Influence of arsenic on the atomic structure of the Si(112) surface. Journal of Electronic Materials, 2005, 34, 839-845.	2.2	11
82	Reversible Hydrogenation of Surface N Atoms To Form NH on Pt(111). Journal of Physical Chemistry B, 2005, 109, 2828-2835.	2.6	29
83	Surface Chemistry of CN Bond Formation from Carbon and Nitrogen Atoms on Pt(111). Journal of Physical Chemistry B, 2005, 109, 17560-17566.	2.6	20
84	Identification and Hydrogenation of C ₂ on Pt(111). Journal of the American Chemical Society, 2005, 127, 17628-17633.	13.7	31
85	Sensitivity improvement in surface infrared spectroscopy: Design, characteristics, and application of a high-temperature graphite source. Review of Scientific Instruments, 2004, 75, 2545-2550.	1.3	14
86	Formation and hydrogenation of ethylidene on the Pt(111) surface. Surface Science, 2004, 560, L195-L201.	1.9	44
87	Characterization of methylidyne on Pt(111) with infrared spectroscopy. Surface Science, 2004, 573, 310-319.	1.9	39
88	Adsorption and decomposition of trimethylamine on Pt(): formation of dimethylaminocarbyne (CN(CH ₃) ₂). Surface Science, 2003, 540, 23-38.	1.9	18
89	Reaction of O ₂ with the boron-terminated TaB ₂ (0001) surface. Surface Science, 2003, 542, 221-229.	1.9	8
90	Comparison of experimental and calculated infrared spectra of aminocarbynes on the Pt(111) surface. Journal of Chemical Physics, 2003, 119, 10930-10940.	3.0	12

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91	Depth profile of iron in aCaB6crystal. Physical Review B, 2003, 67, .	3.2	24
92	Formation of Surface CN from the Coupling of C and N Atoms on Pt(111). Journal of the American Chemical Society, 2003, 125, 15758-15759.	13.7	23
93	Formation of an ordered Si dimer structure onHfB2(0001). Physical Review B, 2002, 66, .	3.2	9
94	Formation of Methylaminocarbyne from Methyl Isocyanide on the Pt(111) Surface. Journal of Physical Chemistry B, 2002, 106, 5710-5718.	2.6	28
95	Nanoindentation and Raman spectroscopy studies of boron carbide single crystals. Applied Physics Letters, 2002, 81, 3783-3785.	3.3	152
96	Identification of formate from methanol oxidation on Cu() with infrared spectroscopy. Surface Science, 2002, 504, 208-214.	1.9	25
97	Surface chemistry of dimethylamine on Pt(): formation of methylaminocarbyne and its decomposition products. Surface Science, 2002, 519, 40-56.	1.9	27
98	The Formation of Methoxy from Methanol on an Oxygen Covered Cu(100) Surface at Temperatures of 90-200 K. Journal of Physical Chemistry B, 2001, 105, 3823-3827.	2.6	22
99	Methylaminomethylidyne: A Stable Intermediate Formed on the Pt(111) Surface from the N-Protonation of Methyl Isocyanide. Journal of the American Chemical Society, 2001, 123, 8432-8433.	13.7	20
100	Identification of Pressure-Induced Phase Transformations Using Nanoindentation. Materials Research Society Symposia Proceedings, 2000, 649, 891.	0.1	8
101	Infrared Intensity Enhancement of the CN Stretch of HCN by Coadsorbed CO on the Cu(100) Surface. Physical Review Letters, 2000, 84, 4902-4905.	7.8	4
102	Surface chemistry of ethylenediamine (NH2CH2CH2NH2) on Pt(111). Surface Science, 2000, 470, L13-L19.	1.9	32
103	Structure of Heteroepitaxial Thin Films of Hafnium Diboride Grown on a Hf(0001) Surface As Determined by Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2000, 104, 11833-11836.	2.6	3
104	Vibrational Analysis of a Chemisorbed Polyatomic Molecule: Methoxy on Cu(100). Journal of Physical Chemistry B, 2000, 104, 2448-2459.	2.6	40
105	REFLECTIONABSORPTIONINFRAREDSPECTROSCOPY AND THESTRUCTURE OFMOLECULARADSORBATES ONMETALSURFACES. Annual Review of Physical Chemistry, 2000, 51, 381-403.	10.8	76
106	Comparison of the surface chemical reactivity of hafnium diboride and hafnium. Inorganica Chimica Acta, 1999, 289, 191-197.	2.4	17
107	X-ray photoelectron spectroscopy investigation of the initial oxygen adsorption sites on the LaB 6 (100) surface. Surface Science, 1999, 423, L222-L228.	1.9	42
108	Structure of the (100) surface of the icosahedral borideYB66. Physical Review B, 1998, 58, 9980-9989.	3.2	6

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109	Fourier transform infrared spectroscopy as a surface science technique. , 1998, ,		1
110	Reflection adsorption infrared spectroscopy of the oxidation of thin films of boron and hafnium diboride grown on Hf(0001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 3065-3068.	2.1	12
111	Heteroepitaxy of Hafnium Diboride on a Hafnium(0001) Single Crystal Surface. Chemistry of Materials, 1997, 9, 403-405.	6.7	19
112	The influence of hydrogen on the aggregation of aminomethylidyne on Pt(111). Surface Science, 1997, 381, 65-76.	1.9	3
113	Structure and chemistry of the YB66(100) surface. Journal of Solid State Chemistry, 1997, 133, 31-35.	2.9	12
114	Direct Observation of(B12)(B12)12Supericosahedra as the Basic Structural Element inYB66. Physical Review Letters, 1996, 77, 4772-4775.	7.8	31
115	Comparative IR Study of Ethylene Adsorption on a PtRh Alloy and Monometallic Pt and Rh Catalysts Supported on Al2O3. Identification of Alloy-Specific Binding Sites. The Journal of Physical Chemistry, 1995, 99, 6024-6028.	2.9	9
116	The thermal decomposition of azomethane on Pt(111). Surface Science, 1995, 341, 282-294.	1.9	64
117	Symmetry and the Surface Infrared Selection Rule for the determination of the Structure of Molecules on Metal Surfaces. Langmuir, 1994, 10, 3649-3657.	3.5	152
118	The influence of coadsorbates on the overlayer structure of PF3 on Pt(111). Surface Science Letters, 1993, 282, A199.	0.1	0
119	The influence of coadsorbates on the overlayer structure of PF3 on Pt(111). Surface Science, 1993, 282, 76-90.	1.9	6
120	Surface chemistry of boron oxidation. 2. The reactions of boron oxides B2O2 and B2O3 with boron films grown on tantalum(110). Chemistry of Materials, 1993, 5, 199-205.	6.7	62
121	Oxide thermal desorption from the lanthanum hexaboride (100) surface following reaction with oxygen. Chemistry of Materials, 1993, 5, 1762-1771.	6.7	14
122	Surface chemistry of boron oxidation. 1. Reactions of oxygen and water with boron films grown on tantalum(110). Chemistry of Materials, 1993, 5, 192-198.	6.7	45
123	Infrared study of the coadsorption of PF3 and CO on the Pt(111) surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2576-2580.	2.1	4
124	Characterization with XPS of a Thin Film of B2O2 Deposited on a Ag Substrate. Surface Science Spectra, 1992, 1, 183-187.	1.3	5
125	Atomic structure of the LaB6(100) surface as observed with scanning tunneling microscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2581-2584.	2.1	16
126	The reaction of B2O3 with the $\hat{\rho}^2$ -rhombohedral boron (111) surface. Surface Science, 1992, 262, 88-96.	1.9	11

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127	Atomically resolved surface structure of LaB ₆ (100). <i>Surface Science</i> , 1992, 265, L227-L232.	1.9	33
128	An infrared study of NO adsorption at defect sites on Pt(111). <i>Surface Science</i> , 1991, 259, 116-128.	1.9	87
129	The oxidation of the $\hat{\rho}$ -rhombohedral boron (111) surface. <i>Surface Science</i> , 1991, 255, 245-258.	1.9	44
130	The reactions of B ₂ O ₃ and O ₂ with the $\hat{\rho}$ -rhombohedral boron (111) surface. <i>AIP Conference Proceedings</i> , 1991, , .	0.4	0
131	A Fourier transform infrared reflection absorption spectroscopy study of chemisorbed PF ₃ on Ni(111): Coverage and temperature dependence. <i>Journal of Chemical Physics</i> , 1991, 94, 6256-6263.	3.0	8
132	Adsorbate-adsorbate interactions for PF ₃ chemisorbed on Pt(111). <i>Journal of Chemical Physics</i> , 1991, 95, 6962-6971.	3.0	10
133	Identification of ethylene-derived species on alumina-supported rhodium, iridium, palladium and platinum catalysts by infrared spectroscopy. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6657-6661.	2.9	42
134	Infrared spectrum from 400 to 1000 cm ⁻¹ of PF ₃ chemisorbed on the Pt(111) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1989, 7, 2235-2237.	2.1	12
135	Analysis of dipole-dipole coupling in isotopic mixtures of N ₂ on Ni(110). <i>Journal of Chemical Physics</i> , 1989, 90, 4651-4659.	3.0	24
136	Kinetics of ethylidyne formation on Pt(111) From time-dependent infrared spectroscopy. <i>Chemical Physics Letters</i> , 1989, 154, 511-515.	2.6	49
137	Infrared reflection-absorption study of the adsorbate-substrate stretch of CO on Pt(111). <i>Surface Science Letters</i> , 1989, 214, L237-L245.	0.1	2
138	Infrared reflection-absorption study of the adsorbate-substrate stretch of CO on Pt(111). <i>Surface Science</i> , 1989, 214, L237-L245.	1.9	61
139	Infrared line shapes of ethylidyne on the Pt(111) surface. <i>Journal of Chemical Physics</i> , 1988, 89, 3861-3869.	3.0	30
140	An infrared study of the symmetric P-F stretch of PF ₃ chemisorbed on the Pt(111) surface. <i>Journal of Chemical Physics</i> , 1988, 89, 3323-3330.	3.0	28
141	Infrared identification of the low-temperature forms of ethylene adsorbed on platinum/alumina. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5229-5233.	2.9	89
142	Time dependence of the infrared spectrum of N ₂ adsorbed at low coverage on the Ni(110) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1987, 5, 427-430.	2.1	4
143	Adsorbate ordering processes and infrared spectroscopy: An FTIRAS study of N ₂ chemisorbed on the Ni(110) surface. <i>Journal of Chemical Physics</i> , 1986, 85, 6100-6109.	3.0	100
144	Electron spectroscopy study of SiC. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1984, 2, 1271-1274.	2.1	62

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145	Three isomers of the aluminum-acetylene system. Journal of the American Chemical Society, 1979, 101, 1638-1639.	13.7	30
146	Electronic structure of Li ⁺ H ₂ O and related neutral molecular complexes, including Al ⁺ H ₂ O. Journal of Chemical Physics, 1978, 68, 4047-4050.	3.0	61
147	A novel class of molecular complexes: lithium-ammonia, lithium-water, lithium-hydrofluoric acid, lithium-hydrogen sulfide, sodium-water, and sodium-hydrofluoric acid. Journal of the American Chemical Society, 1977, 99, 3885-3886.	13.7	57