

Michael Schmid

List of Publications by Year in descending order

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297
papers

14,993
citations

13827

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all docs

301
docs citations

301
times ranked

11477
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic-Scale Structure and Catalytic Reactivity of the RuO ₂ (110) Surface. <i>Science</i> , 2000, 287, 1474-1476.	6.0	829
2	Reaction of O ₂ with Subsurface Oxygen Vacancies on TiO ₂ Anatase (101). <i>Science</i> , 2013, 341, 988-991.	6.0	474
3	Direct View at Excess Electrons in TiO_2 and Anatase. <i>Physical Review Letters</i> , 2014, 113, 086402.	2.9	173
4	Intrinsic defects on a TiO ₂ (110)(1 $\bar{1}$ -1) surface and their reaction with oxygen: a scanning tunneling microscopy study. <i>Surface Science</i> , 1998, 411, 137-153.	0.8	363
5	Structure of the Ultrathin Aluminum Oxide Film on NiAl(110). <i>Science</i> , 2005, 308, 1440-1442.	6.0	342
6	Sensors based on piezoelectric resonators. <i>Sensors and Actuators A: Physical</i> , 1995, 48, 1-21.	2.0	286
7	Two-Dimensional Oxide on Pd(111). <i>Physical Review Letters</i> , 2002, 88, 246103.	2.9	267
8	Carbon monoxide-induced adatom sintering in a Pd-Fe ₃ O ₄ model catalyst. <i>Nature Materials</i> , 2013, 12, 724-728.	13.3	249
9	Direct observation of surface chemical order by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1993, 70, 1441-1444.	2.9	227
10	Subsurface cation vacancy stabilization of the magnetite (001) surface. <i>Science</i> , 2014, 346, 1215-1218.	6.0	222
11	Self-Limited Growth of a Thin Oxide Layer on Rh(111). <i>Physical Review Letters</i> , 2004, 92, 126102.	2.9	198
12	High-affinity adsorption leads to molecularly ordered interfaces on TiO ₂ in air and solution. <i>Science</i> , 2018, 361, 786-789.	6.0	190
13	Unraveling CO adsorption on model single-atom catalysts. <i>Science</i> , 2021, 371, 375-379.	6.0	179
14	(Sub)Surface Mobility of Oxygen Vacancies at the TiO_2 Anatase (101) Surface. <i>Physical Review Letters</i> , 2012, 109, 136103.	2.9	176
15	Oxide Surface Science. <i>Annual Review of Physical Chemistry</i> , 2010, 61, 129-148.	4.8	168
16	Submonolayer growth of Pb on Cu(111): surface alloying and de-alloying. <i>Surface Science</i> , 1994, 321, 237-248.	0.8	165
17	Atomic resolution by STM on ultra-thin films of alkali halides: experiment and local density calculations. <i>Surface Science</i> , 1999, 424, L321-L328.	0.8	145
18	Structure of Ag(111)-p(4 $\bar{1}$ -4)O: No Silver Oxide. <i>Physical Review Letters</i> , 2006, 96, 146102.	2.9	141

#	ARTICLE	IF	CITATIONS
19	One-Dimensional PtO ₂ at Pt Steps: Formation and Reaction with CO. Physical Review Letters, 2005, 95, 256102.	2.9	131
20	Potential Sputtering of Clean SiO ₂ by Slow Highly Charged Ions. Physical Review Letters, 1997, 79, 945-948.	2.9	130
21	Adsorption Sites and Ligand Effect for CO on an Alloy Surface: A Direct View. Physical Review Letters, 2001, 87, 036103.	2.9	129
22	Room Temperature Water Splitting at the Surface of Magnetite. Journal of the American Chemical Society, 2011, 133, 12650-12655.	6.6	127
23	Oxygen-Deficient Line Defects in an Ultrathin Aluminum Oxide Film. Physical Review Letters, 2006, 97, 046101.	2.9	123
24	Nanotemplate with Holes: Ultrathin Alumina on Ni ₃ Al(111). Physical Review Letters, 2007, 99, 196104.	2.9	122
25	Potential Sputtering of Lithium Fluoride by Slow Multicharged Ions. Physical Review Letters, 1995, 74, 5280-5283.	2.9	121
26	Quantum Wells and Electron Interference Phenomena in Al due to Subsurface Noble Gas Bubbles. Physical Review Letters, 1996, 76, 2298-2301.	2.9	115
27	Interaction of oxygen with palladium deposited on a thin alumina film. Surface Science, 2002, 501, 270-281.	0.8	111
28	Ordered Array of Single Adatoms with Remarkable Thermal Stability: $\text{Au} \langle \text{Fe} \rangle_3 \langle \text{O} \rangle_4$	2.9	109
29	Dual role of CO in the stability of subnano Pt clusters at the Fe ₃ O ₄ (001) surface. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8921-8926.	3.3	108
30	Surface oxides on close-packed surfaces of late transition metals. Journal of Physics Condensed Matter, 2006, 18, R481-R499.	0.7	107
31	STM study of the (111) and (100) surfaces of PdAg. Surface Science, 1998, 417, 292-300.	0.8	104
32	Thin films of Co on Pt(111): Strain relaxation and growth. Physical Review B, 2000, 62, 2843-2851.	1.1	103
33	Charge Trapping at the Step Edges of TiO ₂ Anatase (101). Angewandte Chemie - International Edition, 2014, 53, 4714-4716.	7.2	102
34	Surface alloying and superstructures of Pb on Cu(100). Surface Science, 1995, 331-333, 831-837.	0.8	101
35	Structure of a thin oxide film on Rh(100). Physical Review B, 2005, 71, .	1.1	101
36	Anisotropic two-dimensional electron gas at SrTiO ₃ (110). Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3933-3937.	3.3	99

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37	Surface point defects on bulk oxides: atomically-resolved scanning probe microscopy. Chemical Society Reviews, 2017, 46, 1772-1784.	18.7	98
38	The surface oxide: A LEED, DFT and STM study. Surface Science, 2007, 601, 1574-1581.	0.8	96
39	Methanol on Anatase TiO ₂ (101): Mechanistic Insights into Photocatalysis. ACS Catalysis, 2017, 7, 7081-7091.	5.5	93
40	Local Structure and Coordination Define Adsorption in a Model Ir ₁ /Fe ₃ O ₄ Single-Atom Catalyst. Angewandte Chemie - International Edition, 2019, 58, 13961-13968.	7.2	93
41	Understanding the Structural Deactivation of Ruthenium Catalysts on an Atomic Scale under both Oxidizing and Reducing Conditions. Angewandte Chemie - International Edition, 2005, 44, 917-920.	7.2	91
42	Chemically resolved STM on a PtRh(100) surface. Surface Science, 1996, 359, 17-22.	0.8	89
43	Atomic-Scale Structure of the Hematite α -Fe ₂ O ₃ (111̄..02) α -R-Cut-Surface. Journal of Physical Chemistry C, 2018, 122, 1657-1669.	1.5	89
44	Crystallographic Structure of Ultrathin Fe Films on Cu(100). Physical Review Letters, 2001, 87, 086103.	2.9	85
45	Oxygen adsorption on Al(111): low transient mobility. Surface Science, 2001, 478, L355-L362.	0.8	85
46	Polarity compensation mechanisms on the perovskite surface KTaO ₃ (001). Science, 2018, 359, 572-575.	6.0	85
47	Coexistence of trapped and free excess electrons in SrTiO ₃ . Physical Review B, 2015, 91, .	3.3	85
48	Electron transfer between anatase TiO ₂ and an O ₂ molecule directly observed by atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2556-E2562.	3.3	80
49	Water agglomerates on Fe ₃ O ₄ (001). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5642-E5650.	3.3	79
50	Nickel Carbide as a Source of Grain Rotation in Epitaxial Graphene. ACS Nano, 2012, 6, 3564-3572.	7.3	77
51	Adsorption and incorporation of transition metals at the magnetite Fe ₃ O ₄ surface. Physical Review B, 2015, 92, .	1.1	76
52	Using photoelectron spectroscopy to observe oxygen spillover to zirconia. Physical Chemistry Chemical Physics, 2019, 21, 17613-17620.	1.3	76
53	Interplay between Adsorbates and Polarons: CO on Rutile TiO ₂ surface. Physical Review B, 2015, 92, .	1.1	76
54	High Transient Mobility of Chlorine on TiO ₂ (110): Evidence for "Cannon-Ball" Trajectories of Hot Adsorbates. Physical Review Letters, 1998, 81, 405-408.	2.9	75

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55	Nucleation of bcc Iron in Ultrathin fcc Films. <i>Physical Review Letters</i> , 2001, 86, 464-467.	2.9	74
56	Following the Reduction of Oxygen on TiO_2 Anatase (101) Step by Step. <i>Journal of the American Chemical Society</i> , 2016, 138, 9565-9571.	6.6	74
57	Scanning Tunneling Spectroscopy of One-Dimensional Surface States on a Metal Surface. <i>Physical Review Letters</i> , 1996, 76, 4179-4182.	2.9	72
58	Observation and Destruction of an Elusive Adsorbate with STM: O on TiO_2 (110) surface. <i>Physical Review Letters</i> , 2011, 106, 116101.	2.9	72
59	Oxygen-induced step bunching and faceting of Rh(553): Experiment and ab initio calculations. <i>Physical Review B</i> , 2006, 74, .	1.1	71
60	Structure and catalytic reactivity of Rh oxides. <i>Catalysis Today</i> , 2009, 145, 227-235.	2.2	71
61	Pt ₂₅ Rh ₇₅ (111), (110), and (100) studied by scanning tunnelling microscopy with chemical contrast. <i>Surface Science</i> , 1999, 441, 441-453.	0.8	70
62	Bulk Terminated NaCl(111) on Aluminum: A Polar Surface of an Ionic Crystal?. <i>Physical Review Letters</i> , 2000, 85, 5376-5379.	2.9	70
63	Kinetically Assisted Potential Sputtering of Insulators by Highly Charged Ions. <i>Physical Review Letters</i> , 2001, 86, 3530-3533.	2.9	70
64	Oxidation of Pd(553): From ultrahigh vacuum to atmospheric pressure. <i>Physical Review B</i> , 2007, 76, .	1.1	70
65	Probing the surface phase diagram of Fe ₃ O ₄ (001) towards the Fe-rich limit: Evidence for progressive reduction of the surface. <i>Physical Review B</i> , 2013, 87, .	1.1	70
66	An Atomic-Scale View of CO and H ₂ Oxidation on a Pt/Fe ₃ O ₄ Model Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13999-14002.	7.2	70
67	Surface stress, surface elasticity, and the size effect in surface segregation. <i>Physical Review B</i> , 1995, 51, 10937-10946.	1.1	69
68	Surface oxides on Pd(111): STM and density functional calculations. <i>Physical Review B</i> , 2007, 76, .	1.1	69
69	Molecular Ordering at the Interface Between Liquid Water and Rutile TiO_2 (110). <i>Advanced Materials Interfaces</i> , 2015, 2, 1500246.	1.9	68
70	Experimental and simulated STM images of stoichiometric and partially reduced RuO ₂ (α) surfaces including adsorbates. <i>Surface Science</i> , 2002, 515, 143-156.	0.8	67
71	Visualization of Atomic Processes on Ruthenium Dioxide using Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2004, 5, 167-174.	1.0	67
72	Formation and dynamics of small polarons on the rutile TiO_2 (110) surface. <i>Physical Review B</i> , 2018, 98, .	1.1	67

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73	Disorder and Defect Healing in Graphene on Ni(111). <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 136-139.	2.1	65
74	Lattice mismatch dislocations in a preferentially sputtered alloy studied by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1992, 69, 925-928.	2.9	63
75	A highly sensitive quartz-crystal microbalance for sputtering investigations in slow ion-surface collisions. <i>Review of Scientific Instruments</i> , 1999, 70, 3696-3700.	0.6	63
76	Adsorption of water at the SrO surface of RuO_2 single crystals. <i>Nature Materials</i> , 2016, 15, 450-455.	13.3	63
77	The surface oxide as a source of oxygen on Rh(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 367-372.	0.8	62
78	Bulk and surface characterization of In_2O_3 (001) single crystals. <i>Physical Review B</i> , 2012, 85, .	1.1	62
79	Temperature-dependent segregation on Pt ₂₅ Rh ₇₅ (111) and (100). <i>Surface Science</i> , 1999, 419, 236-248.	0.8	59
80	Direct Imaging of Catalytically Important Processes in the Oxidation of CO over RuO ₂ (110). <i>Journal of the American Chemical Society</i> , 2001, 123, 11807-11808.	6.6	59
81	A Multitechnique Study of CO Adsorption on the TiO ₂ Anatase (101) Surface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21044-21052.	1.5	59
82	Growth and decay of the Pd(111)-Pd ₅ O ₄ surface oxide: Pressure-dependent kinetics and structural aspects. <i>Surface Science</i> , 2006, 600, 205-218.	0.8	57
83	Pt(100) quasihexagonal reconstruction: A comparison between scanning tunneling microscopy data and effective medium theory simulation calculations. <i>Physical Review B</i> , 1997, 56, 10518-10525.	1.1	56
84	Influence of surface atomic structure demonstrated on oxygen incorporation mechanism at a model perovskite oxide. <i>Nature Communications</i> , 2018, 9, 3710.	5.8	54
85	Scanning tunneling microscopy of binary-alloy surfaces: is chemical contrast a consequence of alloying?. <i>Surface Science</i> , 1998, 405, L514-L519.	0.8	53
86	Chemical discrimination on atomic level by STM. <i>Applied Surface Science</i> , 1999, 141, 287-293.	3.1	53
87	Segregation and chemical ordering in the surface layers of Pt ₂₅ Co ₇₅ (111): a LEED/STM study. <i>Surface Science</i> , 2000, 466, 155-166.	0.8	53
88	Sputter yields of insulators bombarded with hyperthermal multiply charged ions. <i>Physica Scripta</i> , 1997, T73, 307-310.	1.2	51
89	Cluster Nucleation and Growth from a Highly Supersaturated Adatom Phase: Silver on Magnetite. <i>ACS Nano</i> , 2014, 8, 7531-7537.	7.3	51
90	Growth of ultrathin cobalt oxide films on Pt(111). <i>Physical Review B</i> , 2011, 84, .	1.1	50

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91	Threshold for Potential Sputtering of LiF. Physical Review Letters, 1999, 83, 3948-3951.	2.9	49
92	Pd, Co and CoPd clusters on the ordered alumina film on NiAl(110): Contact angle, surface structure and composition. Surface Science, 2007, 601, 3233-3245.	0.8	49
93	Step-Orientation-Dependent Oxidation: From 1D to 2D Oxides. Physical Review Letters, 2008, 101, 266104.	2.9	49
94	A multi-technique study of CO ₂ adsorption on Fe ₃ O ₄ magnetite. Journal of Chemical Physics, 2017, 146, 014701.	1.2	49
95	Identification of adsorbed molecules via STM tip manipulation: CO, H ₂ O, and O ₂ on TiO ₂ anatase (101). Physical Chemistry Chemical Physics, 2014, 16, 21524-21530.	1.3	48
96	Surface preparation of TiO ₂ anatase (101): Pitfalls and how to avoid them. Surface Science, 2014, 626, 61-67.	0.8	47
97	Aggregation and electronically induced migration of oxygen vacancies in TiO ₂ anatase. Physical Review B, 2015, 91, ...	1.1	47
98	Direct Observation of a New Growth Mode: Subsurface Island Growth of Cu on Pb(111). Physical Review Letters, 1995, 75, 2976-2979.	2.9	46
99	Chemical ordering and reconstruction of Pt ₂₅ Co ₇₅ (100): an LEED/STM study. Surface Science, 1998, 396, 137-155.	0.8	46
100	High-Coverage Oxygen Structures on Rh(111): Adsorbate Repulsion and Site Preference Is Not Enough. Physical Review Letters, 2004, 93, 266103.	2.9	46
101	Growth of an Ultrathin Zirconia Film on Pt ₃ Zr Examined by High-Resolution X-ray Photoelectron Spectroscopy, Temperature-Programmed Desorption, Scanning Tunneling Microscopy, and Density Functional Theory. Journal of Physical Chemistry C, 2015, 119, 2462-2470.	1.5	46
102	Surface and subsurface alloy formation of vanadium on Pd(111). Surface Science, 2000, 463, 199-210.	0.8	45
103	Magnetism of FePt Surface Alloys. Physical Review Letters, 2009, 102, 067207.	2.9	45
104	Analysis of vibration-isolating systems for scanning tunneling microscopes. Ultramicroscopy, 1992, 42-44, 1610-1615.	0.8	44
105	Local Structure and Coordination Define Adsorption in a Model Ir ₁ /Fe ₃ O ₄ Single-Atom Catalyst. Angewandte Chemie, 2019, 131, 14099-14106.	1.6	44
106	Direct assessment of the acidity of individual surface hydroxyls. Nature, 2021, 592, 722-725.	18.7	43
107	A metastable Fe(A) termination at the Fe ₃ O ₄ (001) surface. Surface Science, 2011, 605, L42-L45.	0.8	42
108	Adsorption of Formic Acid on the Fe ₃ O ₄ (001) Surface. Journal of Physical Chemistry C, 2015, 119, 20459-20465.	1.5	42

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109	Pt $\langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{Zr}(0001)$: A substrate for growing well-ordered ultrathin zirconia films by oxidation. Physical Review B, 2012, 86, .	1.1	41
110	Layered piezoelectric resonators with an arbitrary number of electrodes (general one-dimensional). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.5	40
111	Coexistence of fcc- and bcc-like crystal structures in ultrathin Fe films grown onCu(111). Physical Review B, 2006, 73, .	1.1	40
112	The structure of the oxygen induced (1 \AA –5) reconstruction of V(100). Surface Science, 2001, 480, 11-24.	0.8	39
113	Local atomic structure of ultra-thin Fe films grown on Cu(100). Applied Physics A: Materials Science and Processing, 2004, 78, 807-816.	1.1	39
114	Resolving the adsorption of molecular O ₂ on the rutile TiO ₂ (110) surface by noncontact atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14827-14837.	3.3	39
115	Why and How Savitzky-Golay Filters Should Be Replaced. ACS Measurement Science Au, 2022, 2, 185-196.	1.9	39
116	Highly ordered Pd, Fe, and Co clusters on alumina on $\langle \text{mml:math} \langle \text{mml:msub} \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Ni} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{Zr}(0001)$. Physical Review B, 2010, 81, .	1.1	38
117	The growth of ultra-thin zirconia films on Pd ₃ Zr(O ₂) ₁ . Journal of Physics Condensed Matter, 2014, 26, 225003.	0.7	38
118	Motional capacitance of layered piezoelectric thickness-mode resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1991, 38, 199-206.	1.7	37
119	Segregation of impurities on Cr(100) studied by AES and STM. Surface Science, 1997, 377-379, 1023-1027.	0.8	37
120	Antiphase domain boundaries at the Fe $\langle \text{mml:math} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{O} \langle \text{mml:math} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle (001)$ surface. Physical Review B, 2012, 85, .	1.1	37
121	Resolving the Structure of a Well-Ordered Hydroxyl Overlayer on In ₂ O ₃ (111): Nanomanipulation and Theory. ACS Nano, 2017, 11, 11531-11541.	7.3	37
122	Surface Structure of TiO ₂ Rutile (011) Exposed to Liquid Water. Journal of Physical Chemistry C, 2017, 121, 26424-26431.	1.5	37
123	A computer-controlled system for the measurement of complete admittance spectra of piezoelectric resonators. Measurement Science and Technology, 1990, 1, 970-975.	1.4	36
124	Segregation and reconstructions of PtxNi \hat{a} x(100). Surface Science, 1997, 388, 150-161.	0.8	36
125	Stoichiometry-driven switching between surface reconstructions on SrTiO ₃ (001). Surface Science, 2014, 621, L1-L4.	0.8	36
126	An atomic-scale study of the Co induced dendrite formation on Pt(111). Surface Science, 1999, 423, 357-363.	0.8	35

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127	Sputtering of Au and Al ₂ O ₃ surfaces by slow highly charged ions. Nuclear Instruments & Methods in Physics Research B, 2001, 182, 143-147.	0.6	35
128	Unusual Process of Water Formation on RuO ₂ (110) by Hydrogen Exposure at Room Temperature. Journal of Physical Chemistry B, 2006, 110, 14007-14010.	1.2	35
129	Ultrathin alumina film on Cu ₉ at%Al(111). Surface Science, 2008, 602, 1750-1756.	0.8	35
130	Vanadium surface oxides on Pd(111): A structural analysis. Physical Review B, 2003, 68, .	1.1	34
131	Interlayer Diffusion of Adatoms: A Scanning-Tunneling Microscopy Study. Physical Review Letters, 1999, 82, 5068-5071.	2.9	33
132	Oxygen-Induced Vacancy Formation on a Metal Surface. Physical Review Letters, 1999, 82, 355-358.	2.9	33
133	The Role of Surface Defects in the Adsorption of Methanol on Fe ₃ O ₄ (001). Topics in Catalysis, 2017, 60, 420-430.	1.3	33
134	Secondary ion emission from lithium fluoride under impact of slow multicharged ions. Nuclear Instruments & Methods in Physics Research B, 1995, 98, 465-468.	0.6	32
135	Water Adsorption at the Tetrahedral Titania Surface Layer of SrTiO ₃ (110)-(4 Å ⁻¹). Journal of Physical Chemistry C, 2013, 117, 26060-26069.	1.5	32
136	Formaldehyde Adsorption on the Anatase TiO ₂ (101) Surface: Experimental and Theoretical Investigation. Journal of Physical Chemistry C, 2017, 121, 8914-8922.	1.5	32
137	Polaron-Driven Surface Reconstructions. Physical Review X, 2017, 7, .	2.8	32
138	Partially Dissociated Water Dimers at the Water-Hematite Interface. ACS Energy Letters, 2019, 4, 390-396.	8.8	32
139	$\langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{IrO} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle \rangle \rangle \rangle \rangle \text{Surface Complexions Identified through Machine Learning and Surface Investigations. Physical Review Letters, 2020, 125, 206101.}$	2.9	32
140	Mismatch dislocations caused by preferential sputtering of a platinum-nickel alloy surface. Applied Physics A: Solids and Surfaces, 1992, 55, 468-475.	1.4	31
141	Atomic structure of an Al-Co-Nidecagonal quasicrystalline surface. Physical Review B, 2004, 70, .	1.1	31
142	Stressing Pd atoms: Initial oxidation of the Pd(110) surface. Surface Science, 2008, 602, 2440-2447.	0.8	31
143	Segregated carbon on Pt ₁₀ Ni ₉₀ (100) studied by scanning tunneling microscopy. Surface Science, 1993, 294, L952-L958.	0.8	30
144	Two-dimensional alloy of immiscible metals: Single and binary monolayer films of Pb and Sn on Rh(111). Physical Review B, 2003, 67, .	1.1	30

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145	Stability and Catalytic Performance of Reconstructed Fe ₃ O ₄ (001) and Fe ₃ O ₄ (110) Surfaces during Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2019, 123, 8304-8311.	1.5	30
146	Preferential sputtering of Pt-Ni alloy single crystals studied by scanning tunneling microscopy. Nuclear Instruments & Methods in Physics Research B, 1993, 82, 259-268.	0.6	29
147	Embedded-atom method calculations applied to surface segregation of Pt-Ni single crystals. Surface Science, 1993, 287-288, 366-370.	0.8	29
148	Unreconstructed Au(100) monolayers on a Au ₃ Pd(100) single-crystal surface. Surface Science, 1998, 415, L1051-L1054.	0.8	29
149	Combined STM, LEED and DFT study of Ag(100) exposed to oxygen near atmospheric pressures. Surface Science, 2006, 600, 617-624.	0.8	29
150	The shifted-row reconstruction of Pt _x Ni _{1-x} (100). Surface Science, 1994, 318, 289-298.	0.8	28
151	$\sqrt{n-1}$ superstructures of Pb on Cu(110). Physical Review B, 1995, 52, 16796-16802.	1.1	28
152	The Role of Defects in the Local Reaction Kinetics of CO Oxidation on Low-Index Pd Surfaces. Journal of Physical Chemistry C, 2013, 117, 12054-12060.	1.5	28
153	Adsorbate migration on PdAg(111). Surface Science, 1999, 423, L229-L235.	0.8	27
154	Influence of Impurities on Localized Transition Metal Surface States: Scanning Tunneling Spectroscopy on V(001). Physical Review Letters, 2001, 86, 2396-2399.	2.9	27
155	Kinetics of the Reduction of the Rh(111) Surface Oxide: Linking Spectroscopy and Atomic-Scale Information. Journal of Physical Chemistry B, 2006, 110, 9966-9975.	1.2	27
156	Segregation and ordering at Fe _{1-x} Al _x (100) surfaces – a model case for binary alloys. Surface Science, 2001, 474, 81-97.	0.8	26
157	Reconstruction of the clean and H covered $\sqrt{3}\times\sqrt{3}$ magnetic live surface layer of Fe films grown on Cu(100). Surface Science, 2004, 563, 110-126.	0.8	26
158	Reducing the In ₂ O ₃ (111) Surface Results in Ordered Indium Adatoms. Advanced Materials Interfaces, 2014, 1, 1400289.	1.9	26
159	Total sputter yield of LiF induced by hyperthermal ions measured by a quartz microbalance. Nuclear Instruments & Methods in Physics Research B, 1994, 90, 496-500.	0.6	25
160	Inverse corrugation and corrugation enhancement of Pb superstructures on Cu(111) and (110). Surface Science, 1996, 369, 159-168.	0.8	25
161	Fabrication of a Well-Ordered Nanohole Array Stable at Room Temperature. Nano Letters, 2008, 8, 2035-2040.	4.5	25
162	Interplay between Steps and Oxygen Vacancies on Curved TiO ₂ (110). Nano Letters, 2016, 16, 2017-2022.	4.5	25

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