

Michael Schmid

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297
papers

12,826
citations

61
h-index

98
g-index

301
ext. papers

13,823
ext. citations

5.8
avg. IF

6.11
L-index

#	Paper	IF	Citations
297	Why and How Savitzky-Golay Filters Should Be Replaced.. <i>ACS Measurement Science Au</i> , 2022 , 2, 185-196		3
296	Adsorption configurations of Co-phthalocyanine on In ₂ O ₃ (111). <i>Surface Science</i> , 2022 , 122065	1.8	0
295	Reconstruction changes drive surface diffusion and determine the flatness of oxide surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 023206	2.9	1
294	CO oxidation by Pt/FeO: Metastable dimer and support configurations facilitate lattice oxygen extraction.. <i>Science Advances</i> , 2022 , 8, eabn4580	14.3	4
293	Single Rh Adatoms Stabilized on $\sqrt{3}\times\sqrt{3}$ FeO(1102) by Coadsorbed Water.. <i>ACS Energy Letters</i> , 2022 , 7, 375-380	20.1	3
292	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021 , 12, 6488	17.4	2
291	Direct assessment of the acidity of individual surface hydroxyls. <i>Nature</i> , 2021 , 592, 722-725	50.4	20
290	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on $\sqrt{3}\times\sqrt{3}$ Fe ₂ O ₃ (1102) (Adv. Mater. Interfaces 8/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170045	4.6	
289	Quest for a pristine unreconstructed SrTiO ₃ (001) surface: An atomically resolved study via noncontact atomic force microscopy. <i>Physical Review B</i> , 2021 , 103,	3.3	6
288	Unraveling CO adsorption on model single-atom catalysts. <i>Science</i> , 2021 , 371, 375-379	33.3	72
287	Surface Reduction State Determines Stabilization and Incorporation of Rh on $\sqrt{3}\times\sqrt{3}$ Fe ₂ O ₃ (1102). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001908	4.6	5
286	Two-dimensional surface phase diagram of a multicomponent perovskite oxide: La _{0.8} Sr _{0.2} MnO ₃ (110). <i>Physical Review Materials</i> , 2021 , 5,	3.2	4
285	Ni-modified Fe ₃ O ₄ (001) surface as a simple model system for understanding the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021 , 389, 138638	6.7	6
284	A high temperature dual-mode quartz crystal microbalance technique for erosion and thermal desorption spectroscopy measurements. <i>Review of Scientific Instruments</i> , 2020 , 91, 125104	1.7	2
283	Resolving the adsorption of molecular O on the rutile TiO(110) surface by noncontact atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14827-14837	11.5	16
282	Zero-field propagation of spin waves in waveguides prepared by focused ion beam direct writing. <i>Physical Review B</i> , 2020 , 101,	3.3	9
281	Order-disorder phase transition of the subsurface cation vacancy reconstruction on FeO(001). <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 8336-8343	3.6	5

280	Fast low-noise transimpedance amplifier for scanning tunneling microscopy and beyond. <i>Review of Scientific Instruments</i> , 2020 , 91, 074701	1.7	3
279	Movable holder for a quartz crystal microbalance for exact growth rates in pulsed laser deposition. <i>Review of Scientific Instruments</i> , 2020 , 91, 065003	1.7	3
278	Atomic-Scale Studies of Fe O (001) and TiO (110) Surfaces Following Immersion in CO -Acidified Water. <i>ChemPhysChem</i> , 2020 , 21, 1788-1796	3.2	4
277	Adsorbate-induced structural evolution changes the mechanism of CO oxidation on a Rh/FeO(001) model catalyst. <i>Nanoscale</i> , 2020 , 12, 5866-5875	7.7	15
276	Few-monolayer yttria-doped zirconia films: Segregation and phase stabilization. <i>Journal of Chemical Physics</i> , 2020 , 152, 064709	3.9	2
275	A Model System for Photocatalysis: Ti-Doped FeO(11 02) Single-Crystalline Films. <i>Chemistry of Materials</i> , 2020 , 32, 3753-3764	9.6	9
274	Carbide-Modified Pd on ZrO ₂ as Active Phase for CO ₂ -Reforming of Methane: A Model Phase Boundary Approach. <i>Catalysts</i> , 2020 , 10, 1000	4	6
273	Propagation of spin waves through a Néel domain wall. <i>Applied Physics Letters</i> , 2020 , 117, 022405	3.4	7
272	IrO ₂ Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020 , 125, 206101	7.4	8
271	Atomically resolved surface phases of La _{0.8} Sr _{0.2} MnO ₃ (110) thin films. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22947-22961	13	8
270	Using photoelectron spectroscopy to observe oxygen spillover to zirconia. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17613-17620	3.6	23
269	Local Structure and Coordination Define Adsorption in a Model Ir /Fe O Single-Atom Catalyst. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13961-13968	16.4	55
268	Local Structure and Coordination Define Adsorption in a Model Ir ₁ /Fe ₃ O ₄ Single-Atom Catalyst. <i>Angewandte Chemie</i> , 2019 , 131, 14099-14106	3.6	28
267	Self-limited growth of an oxyhydroxide phase at the FeO(001) surface in liquid and ambient pressure water. <i>Journal of Chemical Physics</i> , 2019 , 151, 154702	3.9	11
266	Incipient ferroelectricity: A route towards bulk-terminated SrTiO ₃ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
265	Pushing the detection of cation nonstoichiometry to the limit. <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
264	Growth of In ₂ O ₃ (111) thin films with optimized surfaces. <i>Physical Review Materials</i> , 2019 , 3,	3.2	7
263	Epitaxial growth of complex oxide films: Role of surface reconstructions. <i>Physical Review Research</i> , 2019 , 1,	3.9	6

262	Substoichiometric ultrathin zirconia films cause strong metal-support interaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24837-24846	13	6
261	Interplay between Adsorbates and Polarons: CO on Rutile TiO ₂ (110). <i>Physical Review Letters</i> , 2019 , 122, 016805	7-4	44
260	Partially Dissociated Water Dimers at the Water-Hematite Interface. <i>ACS Energy Letters</i> , 2019 , 4, 390-396	20-1	25
259	Adsorption of CO on the Ca ₃ Ru ₂ O ₇ (001) surface. <i>Surface Science</i> , 2019 , 680, 18-23	1.8	1
258	Stability and Catalytic Performance of Reconstructed Fe ₃ O ₄ (001) and Fe ₃ O ₄ (110) Surfaces during Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8304-8311	3-8	24
257	The growth of metastable fcc Fe ₇₈ Ni ₂₂ thin films on H-Si(1 0 0) substrates suitable for focused ion beam direct magnetic patterning. <i>Applied Surface Science</i> , 2019 , 469, 747-752	6-7	2
256	Surface structures of ZrO ₂ films on Rh(111): From two layers to bulk termination. <i>Surface Science</i> , 2019 , 679, 180-187	1.8	8
255	Sexiphenyl on Cu(100): nc-AFM tip functionalization and identification. <i>Surface Science</i> , 2018 , 678, 124-128	1-7	2
254	Polarity compensation mechanisms on the perovskite surface KTaO(001). <i>Science</i> , 2018 , 359, 572-575	33-3	57
253	Probing the geometry of copper and silver adatoms on magnetite: quantitative experiment versus theory. <i>Nanoscale</i> , 2018 , 10, 2226-2230	7-7	19
252	Prototypical Organic-Oxide Interface: Intramolecular Resolution of Sexiphenyl on InO(111). <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14175-14182	9-5	4
251	A full monolayer of superoxide: oxygen activation on the unmodified CaRuO(001) surface. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5703-5713	13	12
250	Adsorption of CO on the FeO(001) Surface. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 721-729	3-4	16
249	Formation and dynamics of small polarons on the rutile TiO ₂ (110) surface. <i>Physical Review B</i> , 2018 , 98,	3-3	42
248	Research Update: Focused ion beam direct writing of magnetic patterns with controlled structural and magnetic properties. <i>APL Materials</i> , 2018 , 6, 060701	5-7	19
247	High-affinity adsorption leads to molecularly ordered interfaces on TiO in air and solution. <i>Science</i> , 2018 , 361, 786-789	33-3	135
246	Water agglomerates on FeO(001). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5642-E5650	11-5	57
245	Atomic-Scale Structure of the Hematite FeO(11 02) "R-Cut" Surface. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1657-1669	3-8	59

244	Influence of surface atomic structure demonstrated on oxygen incorporation mechanism at a model perovskite oxide. <i>Nature Communications</i> , 2018 , 9, 3710	17.4	40
243	Apparatus for dosing liquid water in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2018 , 89, 083906	1.7	12
242	Water adsorption at zirconia: from the ZrO ₂ (111)/Pt ₃ Zr(0001) model system to powder samples. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17587-17601	13	19
241	A multi-technique study of CO adsorption on FeO magnetite. <i>Journal of Chemical Physics</i> , 2017 , 146, 014701	3.9	39
240	Formaldehyde Adsorption on the Anatase TiO ₂ (101) Surface: Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8914-8922	3.8	22
239	Ordered hydroxyls on CaRuO(001). <i>Nature Communications</i> , 2017 , 8, 23	17.4	10
238	The Role of Surface Defects in the Adsorption of Methanol on FeO(001). <i>Topics in Catalysis</i> , 2017 , 60, 420-430	2.3	27
237	Electron transfer between anatase TiO and an O molecule directly observed by atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2556-E2562	11.5	65
236	Surface point defects on bulk oxides: atomically-resolved scanning probe microscopy. <i>Chemical Society Reviews</i> , 2017 , 46, 1772-1784	58.5	71
235	Polaron-Driven Surface Reconstructions. <i>Physical Review X</i> , 2017 , 7,	9.1	22
234	Resolving the Structure of a Well-Ordered Hydroxyl Overlayer on InO(111): Nanomanipulation and Theory. <i>ACS Nano</i> , 2017 , 11, 11531-11541	16.7	29
233	Surface Structure of TiO Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26424-26431	3.8	27
232	Methanol on Anatase TiO (101): Mechanistic Insights into Photocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 7081-7091	3.1	62
231	Zirconium-Palladium Interactions during Dry Reforming of Methane. <i>ECS Transactions</i> , 2017 , 78, 2419-2430	30	8
230	Self-Limiting Adsorption of WO Oligomers on Oxide Substrates in Solution. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19743-19750	3.8	16
229	Construction and evaluation of an ultrahigh-vacuum-compatible sputter deposition source. <i>Review of Scientific Instruments</i> , 2017 , 88, 103904	1.7	7
228	Physical-chemical stability of fluorinated III-N surfaces: Towards the understanding of the (0001) Al _x Ga _{1-x} N surface donor modification by fluorination. <i>Journal of Applied Physics</i> , 2017 , 121, 225704	2.5	2
227	Well-Ordered In Adatoms at the In ₂ O ₃ (111) Surface Created by Fe Deposition. <i>Physical Review Letters</i> , 2016 , 117, 206101	7.4	6

226	Adjusting island density and morphology of the SrTiO ₃ (110)-(4 × 4) surface: Pulsed laser deposition combined with scanning tunneling microscopy. <i>Surface Science</i> , 2016 , 651, 76-83	1.8	19
225	Metal Adatoms and Clusters on Ultrathin Zirconia Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9920-9932	3.9	16
224	Interplay between Steps and Oxygen Vacancies on Curved TiO ₂ (110). <i>Nano Letters</i> , 2016 , 16, 2017-22	11.5	23
223	Adsorption of water at the SrO surface of ruthenates. <i>Nature Materials</i> , 2016 , 15, 450-455	27	50
222	Following the Reduction of Oxygen on TiO ₂ Anatase (101) Step by Step. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9565-71	16.4	56
221	Fe ₃ O ₄ (110) revisited: Periodic (111) nanofacets. <i>Surface Science</i> , 2016 , 649, L120-L123	1.8	8
220	Dual role of CO in the stability of subnano Pt clusters at the Fe ₃ O ₄ (001) surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8921-6	11.5	85
219	Coexistence of trapped and free excess electrons in SrTiO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	68
218	Adsorption of Formic Acid on the Fe ₃ O ₄ (001) Surface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20459-20465	3.8	40
217	A Multitechnique Study of CO Adsorption on the TiO ₂ Anatase (101) Surface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21044-21052	3.8	48
216	Nickel-Oxide-Modified SrTiO(110)-(4 × 4) Surfaces and Their Interaction with Water. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20481-20487	3.8	10
215	Aggregation and electronically induced migration of oxygen vacancies in TiO ₂ anatase. <i>Physical Review B</i> , 2015 , 91,	3.3	39
214	Adsorption and incorporation of transition metals at the magnetite Fe ₃ O ₄ (001) surface. <i>Physical Review B</i> , 2015 , 92,	3.3	61
213	An Atomic-Scale View of CO and H ₂ Oxidation on a Pt/Fe ₃ O ₄ Model Catalyst. <i>Angewandte Chemie</i> , 2015 , 127, 14205-14208	3.6	6
212	Molecular Ordering at the Interface Between Liquid Water and Rutile TiO ₂ (110). <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500246	4.6	61
211	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, 13999-4002	16.4	52
210	Growth of an Ultrathin Zirconia Film on PtZr Examined by High-Resolution X-ray Photoelectron Spectroscopy, Temperature-Programmed Desorption, Scanning Tunneling Microscopy, and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2462-2470	3.8	43
209	Anisotropic two-dimensional electron gas at SrTiO ₃ (110). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3933-7	11.5	83

208	Identification of adsorbed molecules via STM tip manipulation: CO, HD, and O ₂ on TiO ₂ anatase (101). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21524-30	3.6	42
207	Direct view at excess electrons in TiO ₂ rutile and anatase. <i>Physical Review Letters</i> , 2014 , 113, 086402	7.4	300
206	Vacancy clusters at domain boundaries and band bending at the SrTiO ₃ (110) surface. <i>Physical Review B</i> , 2014 , 90,	3.3	11
205	High chemical activity of a perovskite surface: reaction of CO with Sr(3)Ru(2)O(7). <i>Physical Review Letters</i> , 2014 , 113, 116101	7.4	16
204	Stabilizing Single Ni Adatoms on a Two-Dimensional Porous Titania Overlayer at the SrTiO(110) Surface. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19904-19909	3.8	14
203	Charge trapping at the step edges of TiO(2) anatase (101). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4714-6	16.4	90
202	Stoichiometry-driven switching between surface reconstructions on SrTiO(001). <i>Surface Science</i> , 2014 , 621, L1-L4	1.8	33
201	Cluster nucleation and growth from a highly supersaturated adatom phase: silver on magnetite. <i>ACS Nano</i> , 2014 , 8, 7531-7	16.7	43
200	Surface preparation of TiO ₂ anatase (101): Pitfalls and how to avoid them. <i>Surface Science</i> , 2014 , 626, 61-67	1.8	37
199	Reducing the In ₂ O ₃ (111) Surface Results in Ordered Indium Adatoms. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400289	4.6	22
198	Charge Trapping an Stufenkanten von Anatas-TiO ₂ (101). <i>Angewandte Chemie</i> , 2014 , 126, 4804-4807	3.6	3
197	Point defects at cleaved Sr _{n+1} Ru _n O _{3n+1} (001) surfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	10
196	Subsurface cation vacancy stabilization of the magnetite (001) surface. <i>Science</i> , 2014 , 346, 1215-8	33.3	181
195	The growth of ultra-thin zirconia films on Pd(3)Zr(0 0 0 1). <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 225003	1.8	31
194	The Role of Defects in the Local Reaction Kinetics of CO Oxidation on Low-Index Pd Surfaces. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12054-12060	3.8	24
193	Real-space imaging of the Verwey transition at the (100) surface of magnetite. <i>Physical Review B</i> , 2013 , 88,	3.3	19
192	Reaction of O ₂ with subsurface oxygen vacancies on TiO ₂ anatase (101). <i>Science</i> , 2013 , 341, 988-91	33.3	377
191	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,	3.3	61

190	Carbon monoxide-induced adatom sintering in a Pd-Fe ₃ O ₄ model catalyst. <i>Nature Materials</i> , 2013 , 12, 724-8	27	191
189	Water Adsorption at the Tetrahedral Titania Surface Layer of SrTiO(110)-(4 × 4). <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26060-26069	3.8	29
188	Ion-beam-induced magnetic and structural phase transformation of Ni-stabilized face-centered-cubic Fe films on Cu(100). <i>Applied Physics Letters</i> , 2013 , 103, 262405	3.4	10
187	Nickel carbide as a source of grain rotation in epitaxial graphene. <i>ACS Nano</i> , 2012 , 6, 3564-72	16.7	72
186	Disorder and Defect Healing in Graphene on Ni(111). <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 136-139	3.3	62
185	Bulk and surface characterization of In ₂ O ₃ (001) single crystals. <i>Physical Review B</i> , 2012 , 85,	3.3	54
184	(Sub)surface mobility of oxygen vacancies at the TiO ₂ anatase (101) surface. <i>Physical Review Letters</i> , 2012 , 109, 136103	7.4	149
183	Ordered array of single adatoms with remarkable thermal stability: Au/Fe ₃ O ₄ (001). <i>Physical Review Letters</i> , 2012 , 108, 216103	7.4	97
182	The Rh(100)-(3 × 3)-2O structure. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 225006	1.8	5
181	Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111). <i>Physical Review B</i> , 2012 , 86,	3.3	10
180	Pt ₃ Zr(0001): A substrate for growing well-ordered ultrathin zirconia films by oxidation. <i>Physical Review B</i> , 2012 , 86,	3.3	41
179	Antiphase domain boundaries at the Fe ₃ O ₄ (001) surface. <i>Physical Review B</i> , 2012 , 85,	3.3	34
178	Composition and local atomic arrangement of decagonal Al-Co-Cu quasicrystal surfaces. <i>Physical Review B</i> , 2012 , 86,	3.3	5
177	Growth of ultrathin cobalt oxide films on Pt(111). <i>Physical Review B</i> , 2011 , 84,	3.3	43
176	Growth and structure of an ultrathin tin oxide film on Rh(111). <i>Journal of Applied Physics</i> , 2011 , 109, 024303	3.3	6
175	Room temperature water splitting at the surface of magnetite. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12650-5	16.4	105
174	Oxygen-Stabilized Rh Adatoms: 0D Oxides on a Vicinal Surface. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2747-2751	6.4	4
173	In-situ magnetic nano-patterning of Fe films grown on Cu(100). <i>Journal of Applied Physics</i> , 2011 , 110, 024309	2.5	13

172	A metastable Fe(A) termination at the Fe ₃ O ₄ (001) surface. <i>Surface Science</i> , 2011 , 605, L42-L45	1.8	36
171	Unusual cluster shapes and directional bonding of an fcc metal: Pt/Pt(111). <i>Physical Review Letters</i> , 2011 , 107, 016102	7.4	6
170	Ion-beam-induced magnetic transformation of CO-stabilized fcc Fe films on Cu(100). <i>Physical Review B</i> , 2010 , 82,	3.3	4
169	Observation and destruction of an elusive adsorbate with STM: O ₂ /TiO ₂ (110). <i>Physical Review Letters</i> , 2010 , 105, 216101	7.4	68
168	Metal-related gate sinking due to interfacial oxygen layer in Ir/InAlN high electron mobility transistors. <i>Applied Physics Letters</i> , 2010 , 96, 263515	3.4	10
167	Highly ordered Pd, Fe, and Co clusters on alumina on Ni ₃ Al(111). <i>Physical Review B</i> , 2010 , 81,	3.3	38
166	Metastable surface oxide on CoGa(100): Structure and stability. <i>Physical Review B</i> , 2010 , 81,	3.3	7
165	Oxide surface science. <i>Annual Review of Physical Chemistry</i> , 2010 , 61, 129-48	15.7	151
164	High island densities in pulsed laser deposition: causes and implications. <i>Physical Review Letters</i> , 2009 , 103, 076101	7.4	17
163	Magnetism of FePt surface alloys. <i>Physical Review Letters</i> , 2009 , 102, 067207	7.4	45
162	A LEED study of NO superstructures on the Pd(111) surface. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 134005	1.8	6
161	A quartz-crystal-microbalance technique to investigate ion-induced erosion of fusion relevant surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 695-699	1.2	12
160	Ion-induced erosion of tungsten surfaces studied by a sensitive quartz-crystal-microbalance technique. <i>Journal of Nuclear Materials</i> , 2009 , 390-391, 1102-1105	3.3	8
159	Structure and catalytic reactivity of Rh oxides. <i>Catalysis Today</i> , 2009 , 145, 227-235	5.3	67
158	Fabrication of a well-ordered nanohole array stable at room temperature. <i>Nano Letters</i> , 2008 , 8, 2035-40	11.5	23
157	Ion-beam induced fcc-bcc transition in ultrathin Fe films for ferromagnetic patterning. <i>Applied Physics Letters</i> , 2008 , 93, 063102	3.4	16
156	Time-of-flight spectroscopy of the energy distribution of laser-ablated atoms and ions. <i>Review of Scientific Instruments</i> , 2008 , 79, 043301	1.7	4
155	Step-orientation-dependent oxidation: from 1D to 2D oxides. <i>Physical Review Letters</i> , 2008 , 101, 266104	7.4	44

154	Ultra-thin Fe films grown on Cu by pulsed laser deposition: Intermixing and bcc-like structures. <i>Surface Science</i> , 2008 , 602, 1589-1598	1.8	7
153	Ultrathin alumina film on Cu ₉₀ at%Al(1 1 1). <i>Surface Science</i> , 2008 , 602, 1750-1756	1.8	33
152	Stressing Pd atoms: Initial oxidation of the Pd(110) surface. <i>Surface Science</i> , 2008 , 602, 2440-2447	1.8	28
151	The surface oxide: A LEED, DFT and STM study. <i>Surface Science</i> , 2007 , 601, 1574-1581	1.8	90
150	Pd, Co and CoPd clusters on the ordered alumina film on NiAl(110): Contact angle, surface structure and composition. <i>Surface Science</i> , 2007 , 601, 3233-3245	1.8	48
149	Oxidation of Pd(553): From ultrahigh vacuum to atmospheric pressure. <i>Physical Review B</i> , 2007 , 76,	3.3	66
148	Nanotemplate with holes: ultrathin alumina on Ni ₃ Al(111). <i>Physical Review Letters</i> , 2007 , 99, 196104	7.4	116
147	Surface oxides on Pd(111): STM and density functional calculations. <i>Physical Review B</i> , 2007 , 76,	3.3	65
146	Surface oxides on close-packed surfaces of late transition metals. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, R481-R499	1.8	101
145	Chemical ordering and composition fluctuations at the (001) surface of the Fe ₆₄ Ni ₃₆ Invar alloy. <i>Physical Review B</i> , 2006 , 74,	3.3	8
144	Oxygen-deficient line defects in an ultrathin aluminum oxide film. <i>Physical Review Letters</i> , 2006 , 97, 046101	7.4	114
143	Oxygen-induced step bunching and faceting of Rh(553): Experiment and ab initio calculations. <i>Physical Review B</i> , 2006 , 74,	3.3	70
142	Coexistence of fcc- and bcc-like crystal structures in ultrathin Fe films grown on Cu(111). <i>Physical Review B</i> , 2006 , 73,	3.3	36
141	Structure of Ag(111)-p(4 x 4)-O: no silver oxide. <i>Physical Review Letters</i> , 2006 , 96, 146102	7.4	126
140	Unusual process of water formation on RuO ₂ (110) by hydrogen exposure at room temperature. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14007-10	3.4	33
139	Kinetics of the reduction of the Rh(111) surface oxide: linking spectroscopy and atomic-scale information. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 9966-75	3.4	27
138	Growth and decay of the Pd(111)Pd ₂ SO ₄ surface oxide: Pressure-dependent kinetics and structural aspects. <i>Surface Science</i> , 2006 , 600, 205-218	1.8	53
137	Combined STM, LEED and DFT study of Ag(100) exposed to oxygen near atmospheric pressures. <i>Surface Science</i> , 2006 , 600, 617-624	1.8	27

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