

Michael Schmid

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8795832/michael-schmid-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Atomic-scale structure and catalytic reactivity of the RuO ₂ (110) surface. <i>Science</i> , 2000 , 287, 1474-6	33.3	749
296	Reaction of O ₂ with subsurface oxygen vacancies on TiO ₂ anatase (101). <i>Science</i> , 2013 , 341, 988-91	33.3	377
295	Intrinsic defects on a TiO ₂ (110)(1 $\bar{1}$) surface and their reaction with oxygen: a scanning tunneling microscopy study. <i>Surface Science</i> , 1998 , 411, 137-153	1.8	333
294	Structure of the ultrathin aluminum oxide film on NiAl(110). <i>Science</i> , 2005 , 308, 1440-2	33.3	318
293	Direct view at excess electrons in TiO ₂ rutile and anatase. <i>Physical Review Letters</i> , 2014 , 113, 086402	7.4	300
292	Two-dimensional oxide on Pd(111). <i>Physical Review Letters</i> , 2002 , 88, 246103	7.4	246
291	Sensors based on piezoelectric resonators. <i>Sensors and Actuators A: Physical</i> , 1995 , 48, 1-21	3.9	233
290	Direct observation of surface chemical order by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1993 , 70, 1441-1444	7.4	204
289	Carbon monoxide-induced adatom sintering in a Pd-Fe ₃ O ₄ model catalyst. <i>Nature Materials</i> , 2013 , 12, 724-8	27	191
288	Self-limited growth of a thin oxide layer on Rh(111). <i>Physical Review Letters</i> , 2004 , 92, 126102	7.4	189
287	Subsurface cation vacancy stabilization of the magnetite (001) surface. <i>Science</i> , 2014 , 346, 1215-8	33.3	181
286	Submonolayer growth of Pb on Cu(111): surface alloying and de-alloying. <i>Surface Science</i> , 1994 , 321, 237-248	1.8	158
285	Oxide surface science. <i>Annual Review of Physical Chemistry</i> , 2010 , 61, 129-48	15.7	151
284	(Sub)surface mobility of oxygen vacancies at the TiO ₂ anatase (101) surface. <i>Physical Review Letters</i> , 2012 , 109, 136103	7.4	149
283	High-affinity adsorption leads to molecularly ordered interfaces on TiO in air and solution. <i>Science</i> , 2018 , 361, 786-789	33.3	135
282	Atomic resolution by STM on ultra-thin films of alkali halides: experiment and local density calculations. <i>Surface Science</i> , 1999 , 424, L321-L328	1.8	129
281	Structure of Ag(111)-p(4 x 4)-O: no silver oxide. <i>Physical Review Letters</i> , 2006 , 96, 146102	7.4	126

280	Adsorption sites and ligand effect for CO on an alloy surface: a direct view. <i>Physical Review Letters</i> , 2001 , 87, 036103	7.4	124
279	Potential Sputtering of Clean SiO ₂ by Slow Highly Charged Ions. <i>Physical Review Letters</i> , 1997 , 79, 945-948	7.4	122
278	One-dimensional PtO ₂ at Pt steps: formation and reaction with CO. <i>Physical Review Letters</i> , 2005 , 95, 256102	7.4	122
277	Nanotemplate with holes: ultrathin alumina on Ni ₃ Al(111). <i>Physical Review Letters</i> , 2007 , 99, 196104	7.4	116
276	Potential sputtering of lithium fluoride by slow multicharged ions. <i>Physical Review Letters</i> , 1995 , 74, 5289-5283	7.4	115
275	Oxygen-deficient line defects in an ultrathin aluminum oxide film. <i>Physical Review Letters</i> , 2006 , 97, 046101	7.4	114
274	Room temperature water splitting at the surface of magnetite. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12650-5	16.4	105
273	Quantum wells and electron interference phenomena in Al due to subsurface noble gas bubbles. <i>Physical Review Letters</i> , 1996 , 76, 2298-2301	7.4	103
272	Surface oxides on close-packed surfaces of late transition metals. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, R481-R499	1.8	101
271	Structure of a thin oxide film on Rh(100). <i>Physical Review B</i> , 2005 , 71,	3.3	101
270	Interaction of oxygen with palladium deposited on a thin alumina film. <i>Surface Science</i> , 2002 , 501, 270-281	3.3	100
269	Surface alloying and superstructures of Pb on Cu(100). <i>Surface Science</i> , 1995 , 331-333, 831-837	1.8	98
268	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
267	Thin films of Co on Pt(111): Strain relaxation and growth. <i>Physical Review B</i> , 2000 , 62, 2843-2851	3.3	97
266	STM study of the (111) and (100) surfaces of PdAg. <i>Surface Science</i> , 1998 , 417, 292-300	1.8	91
265	Charge trapping at the step edges of TiO ₂ anatase (101). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4714-6	16.4	90
264	The surface oxide: A LEED, DFT and STM study. <i>Surface Science</i> , 2007 , 601, 1574-1581	1.8	90
263	Understanding the structural deactivation of ruthenium catalysts on an atomic scale under both oxidizing and reducing conditions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 917-20	16.4	88

262	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
261	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
260	Chemically resolved STM on a PtRh(100) surface. <i>Surface Science</i> , 1996 , 359, 17-22	1.8	82
259	Oxygen adsorption on Al(111): low transient mobility. <i>Surface Science</i> , 2001 , 478, L355-L362	1.8	80
258	Crystallographic structure of ultrathin Fe films on Cu(100). <i>Physical Review Letters</i> , 2001 , 87, 086103	7.4	78
257	Nickel carbide as a source of grain rotation in epitaxial graphene. <i>ACS Nano</i> , 2012 , 6, 3564-72	16.7	72
256	Nucleation of bcc iron in ultrathin fcc films. <i>Physical Review Letters</i> , 2001 , 86, 464-7	7.4	72
255	Unraveling CO adsorption on model single-atom catalysts. <i>Science</i> , 2021 , 371, 375-379	33.3	72
254	Surface point defects on bulk oxides: atomically-resolved scanning probe microscopy. <i>Chemical Society Reviews</i> , 2017 , 46, 1772-1784	58.5	71
253	Oxygen-induced step bunching and faceting of Rh(553): Experiment and ab initio calculations. <i>Physical Review B</i> , 2006 , 74,	3.3	70
252	Coexistence of trapped and free excess electrons in SrTiO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	68
251	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
250	Scanning tunneling spectroscopy of one-dimensional surface states on a metal surface. <i>Physical Review Letters</i> , 1996 , 76, 4179-4182	7.4	68
249	Structure and catalytic reactivity of Rh oxides. <i>Catalysis Today</i> , 2009 , 145, 227-235	5.3	67
248	High Transient Mobility of Chlorine on TiO ₂ (110): Evidence for " Cannon-Ball" Trajectories of Hot Adsorbates. <i>Physical Review Letters</i> , 1998 , 81, 405-408	7.4	67
247	Oxidation of Pd(553): From ultrahigh vacuum to atmospheric pressure. <i>Physical Review B</i> , 2007 , 76,	3.3	66
246	Kinetically assisted potential sputtering of insulators by highly charged ions. <i>Physical Review Letters</i> , 2001 , 86, 3530-3	7.4	66
245	Surface stress, surface elasticity, and the size effect in surface segregation. <i>Physical Review B</i> , 1995 , 51, 10937-10946	3.3	66

244	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
243	Surface oxides on Pd(111): STM and density functional calculations. <i>Physical Review B</i> , 2007 , 76,	3.3	65
242	Bulk terminated NaCl(111) on aluminum: a polar surface of an ionic crystal?. <i>Physical Review Letters</i> , 2000 , 85, 5376-9	7.4	65
241	Pt ₂₅ Rh ₇₅ (111), (110), and (100) studied by scanning tunnelling microscopy with chemical contrast. <i>Surface Science</i> , 1999 , 441, 441-453	1.8	65
240	Visualization of atomic processes on ruthenium dioxide using scanning tunneling microscopy. <i>ChemPhysChem</i> , 2004 , 5, 167-74	3.2	63
239	Lattice mismatch dislocations in a preferentially sputtered alloy studied by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1992 , 69, 925-928	7.4	63
238	Methanol on Anatase TiO (101): Mechanistic Insights into Photocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 7081-7091	11.1	62
237	Disorder and Defect Healing in Graphene on Ni(111). <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 136-139	1.9	62
236	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
235	Molecular Ordering at the Interface Between Liquid Water and Rutile TiO ₂ (110). <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500246	4.6	61
234	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
233	Experimental and simulated STM images of stoichiometric and partially reduced RuO ₂ () surfaces including adsorbates. <i>Surface Science</i> , 2002 , 515, 143-156	1.8	60
232	The surface oxide as a source of oxygen on Rh(1 1 1). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 144-147, 367-372	1.7	59
231	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
230	Temperature-dependent segregation on Pt ₂₅ Rh ₇₅ (111) and (100). <i>Surface Science</i> , 1999 , 419, 236-248	1.8	58
229	Polarity compensation mechanisms on the perovskite surface KTaO(001). <i>Science</i> , 2018 , 359, 572-575	33.3	57
228	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
227	A highly sensitive quartz-crystal microbalance for sputtering investigations in slow ion-surface collisions. <i>Review of Scientific Instruments</i> , 1999 , 70, 3696-3700	1.7	56

226	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
225	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
224	Bulk and surface characterization of In ₂ O ₃ (001) single crystals. <i>Physical Review B</i> , 2012 , 85,	3.3	54
223	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	1.8	53
222	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, 11807-8	16.4	53
221	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
220	Chemical discrimination on atomic level by STM. <i>Applied Surface Science</i> , 1999 , 141, 287-293	6.7	51
219	Adsorption of water at the SrO surface of ruthenates. <i>Nature Materials</i> , 2016 , 15, 450-455	2.7	50
218	Scanning tunneling microscopy of binary-alloy surfaces: is chemical contrast a consequence of alloying?. <i>Surface Science</i> , 1998 , 405, L514-L519	1.8	50
217	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	3.3	49
216	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	1.8	49
215	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
214	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
213	Threshold for Potential Sputtering of LiF. <i>Physical Review Letters</i> , 1999 , 83, 3948-3951	7.4	47
212	Direct observation of a new growth mode: Subsurface island growth of Cu on Pb(111). <i>Physical Review Letters</i> , 1995 , 75, 2976-2979	7.4	46
211	Magnetism of FePt surface alloys. <i>Physical Review Letters</i> , 2009 , 102, 067207	7.4	45
210	Sputter yields of insulators bombarded with hyperthermal multiply charged ions. <i>Physica Scripta</i> , 1997 , T73, 307-310	2.6	45
209	Step-orientation-dependent oxidation: from 1D to 2D oxides. <i>Physical Review Letters</i> , 2008 , 101, 266104	7.4	44

208	Interplay between Adsorbates and Polarons: CO on Rutile TiO ₂ (110). <i>Physical Review Letters</i> , 2019 , 122, 016805	7.4	44
207	Cluster nucleation and growth from a highly supersaturated adatom phase: silver on magnetite. <i>ACS Nano</i> , 2014 , 8, 7531-7	16.7	43
206	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
205	Growth of ultrathin cobalt oxide films on Pt(111). <i>Physical Review B</i> , 2011 , 84,	3.3	43
204	Formation and dynamics of small polarons on the rutile TiO ₂ (110) surface. <i>Physical Review B</i> , 2018 , 98,	3.3	42
203	Identification of adsorbed molecules via STM tip manipulation: CO, H ₂ O, and O ₂ on TiO ₂ anatase (101). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21524-30	3.6	42
202	Chemical ordering and reconstruction of Pt ₂₅ Co ₇₅ (100): an LEED/STM study. <i>Surface Science</i> , 1998 , 396, 137-155	1.8	42
201	Surface and subsurface alloy formation of vanadium on Pd(111). <i>Surface Science</i> , 2000 , 463, 199-210	1.8	42
200	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
199	High-coverage oxygen structures on Rh(111): adsorbate repulsion and site preference is not enough. <i>Physical Review Letters</i> , 2004 , 93, 266103	7.4	41
198	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
197	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
196	A multi-technique study of CO adsorption on FeO magnetite. <i>Journal of Chemical Physics</i> , 2017 , 146, 014701	3.9	39
195	Aggregation and electronically induced migration of oxygen vacancies in TiO ₂ anatase. <i>Physical Review B</i> , 2015 , 91,	3.3	39
194	Highly ordered Pd, Fe, and Co clusters on alumina on Ni ₃ Al(111). <i>Physical Review B</i> , 2010 , 81,	3.3	38
193	Surface preparation of TiO ₂ anatase (101): Pitfalls and how to avoid them. <i>Surface Science</i> , 2014 , 626, 61-67	1.8	37
192	Segregation of impurities on Cr(100) studied by AES and STM. <i>Surface Science</i> , 1997 , 377-379, 1023-1027	1.8	37
191	Analysis of vibration-isolating systems for scanning tunneling microscopes. <i>Ultramicroscopy</i> , 1992 , 42-44, 1610-1615	3.1	37

190	A metastable Fe(A) termination at the Fe ₃ O ₄ (001) surface. <i>Surface Science</i> , 2011 , 605, L42-L45	1.8	36
189	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
188	Local atomic structure of ultra-thin Fe films grown on Cu(100). <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 807-816	2.6	35
187	Antiphase domain boundaries at the Fe ₃ O ₄ (001) surface. <i>Physical Review B</i> , 2012 , 85,	3.3	34
186	Segregation and reconstructions of Pt _x Ni _{1-x} (100). <i>Surface Science</i> , 1997 , 388, 150-161	1.8	34
185	An atomic-scale study of the Co induced dendrite formation on Pt(111). <i>Surface Science</i> , 1999 , 423, 357-363	3.4	34
184	Layered piezoelectric resonators with an arbitrary number of electrodes (general one-dimensional treatment). <i>Journal of the Acoustical Society of America</i> , 1991 , 90, 1238-1245	2.2	34
183	Stoichiometry-driven switching between surface reconstructions on SrTiO(001). <i>Surface Science</i> , 2014 , 621, L1-L4	1.8	33
182	Ultrathin alumina film on Cu ₉ at%Al(1 1 1). <i>Surface Science</i> , 2008 , 602, 1750-1756	1.8	33
181	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
180	Sputtering of Au and Al ₂ O ₃ surfaces by slow highly charged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 182, 143-147	1.2	33
179	A computer-controlled system for the measurement of complete admittance spectra of piezoelectric resonators. <i>Measurement Science and Technology</i> , 1990 , 1, 970-975	2	33
178	The structure of the oxygen induced (1 \times 1) reconstruction of V(100). <i>Surface Science</i> , 2001 , 480, 11-24	1.8	32
177	Oxygen-Induced Vacancy Formation on a Metal Surface. <i>Physical Review Letters</i> , 1999 , 82, 355-358	7.4	32
176	The growth of ultra-thin zirconia films on Pd(3)Zr(0 0 1). <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 225003	1.8	31
175	Vanadium surface oxides on Pd(111): A structural analysis. <i>Physical Review B</i> , 2003 , 68,	3.3	31
174	Secondary ion emission from lithium fluoride under impact of slow multicharged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 465-468	1.2	31
173	Motional capacitance of layered piezoelectric thickness-mode resonators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1991 , 38, 199-206	3.2	31

172	Mismatch dislocations caused by preferential sputtering of a platinum-nickel alloy surface. <i>Applied Physics A: Solids and Surfaces</i> , 1992 , 55, 468-475		31
171	Atomic structure of an Al ₁₀ O ₁₁ Ni decagonal quasicrystalline surface. <i>Physical Review B</i> , 2004 , 70,	3.3	30
170	Interlayer Diffusion of Adatoms: A Scanning-Tunneling Microscopy Study. <i>Physical Review Letters</i> , 1999 , 82, 5068-5071	7.4	30
169	Segregated carbon on Pt ₁₀ Ni ₉₀ (100) studied by scanning tunneling microscopy. <i>Surface Science</i> , 1993 , 294, L952-L958	1.8	30
168	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
167	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
166	Two-dimensional alloy of immiscible metals: Single and binary monolayer films of Pb and Sn on Rh(111). <i>Physical Review B</i> , 2003 , 67,	3.3	29
165	Embedded-atom method calculations applied to surface segregation of Pt ₂ Ni single crystals. <i>Surface Science</i> , 1993 , 287-288, 366-370	1.8	29
164	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
163	Stressing Pd atoms: Initial oxidation of the Pd(110) surface. <i>Surface Science</i> , 2008 , 602, 2440-2447	1.8	28
162	p(n × 1) superstructures of Pb on Cu(110). <i>Physical Review B</i> , 1995 , 52, 16796-16802	3.3	28
161	Preferential sputtering of Pt-Ni alloy single crystals studied by scanning tunneling microscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 82, 259-268	1.2	28
160	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
159	Surface Structure of TiO Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26424-26431	3.8	27
158	Unreconstructed Au(100) monolayers on a Au ₃ Pd(100) single-crystal surface. <i>Surface Science</i> , 1998 , 415, L1051-L1054	1.8	27
157	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
156	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
155	The shifted-row reconstruction of Pt _x Ni _{1-x} (100). <i>Surface Science</i> , 1994 , 318, 289-298	1.8	27

154	Reconstruction of the clean and H covered magnetic live surface layer of Fe films grown on Cu(100). <i>Surface Science</i> , 2004 , 563, 110-126	1.8	25
153	Influence of impurities on localized transition metal surface states: scanning tunneling spectroscopy on V(001). <i>Physical Review Letters</i> , 2001 , 86, 2396-9	7.4	25
152	Segregation and ordering at Fe _{1-x} Al _x (100) surfaces – a model case for binary alloys. <i>Surface Science</i> , 2001 , 474, 81-97	1.8	25
151	Adsorbate migration on PdAg(111). <i>Surface Science</i> , 1999 , 423, L229-L235	1.8	25
150	Partially Dissociated Water Dimers at the Water/Hematite Interface. <i>ACS Energy Letters</i> , 2019 , 4, 390-396	20.1	25
149	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
148	Inverse corrugation and corrugation enhancement of Pb superstructures on Cu(111) and (110). <i>Surface Science</i> , 1996 , 369, 159-168	1.8	24
147	Total sputter yield of LiF induced by hyperthermal ions measured by a quartz microbalance. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 90, 496-500	1.2	24
146	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
145	Interplay between Steps and Oxygen Vacancies on Curved TiO ₂ (110). <i>Nano Letters</i> , 2016 , 16, 2017-22	11.5	23
144	Using photoelectron spectroscopy to observe oxygen spillover to zirconia. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17613-17620	3.6	23
143	Fabrication of a well-ordered nanohole array stable at room temperature. <i>Nano Letters</i> , 2008 , 8, 2035-40	11.5	23
142	An STM study of the step structure of Pb(110) and Pb(111). <i>Surface Science</i> , 1995 , 331-333, 1056-1061	1.8	23
141	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
140	Polaron-Driven Surface Reconstructions. <i>Physical Review X</i> , 2017 , 7,	9.1	22
139	Reducing the In ₂ O ₃ (111) Surface Results in Ordered Indium Adatoms. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400289	4.6	22
138	Growth of Ce on Rh(1 1 1). <i>Surface Science</i> , 2004 , 556, 1-10	1.8	21
137	Complex surface reconstructions solved by ab initio molecular dynamics. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 701-710	2.6	21

136	When scanning tunneling microscopy gets the wrong adsorption site: H on Rh(100). <i>Physical Review Letters</i> , 2003 , 90, 176101	7.4	21
135	Geometry of the valence transition induced surface reconstruction of Sm(0001). <i>Physical Review Letters</i> , 2002 , 88, 136102	7.4	21
134	Anti-corrugation and nitrogen c(2 × 2) on Cr(100): STM on atomic scale and quantitative LEED. <i>Surface Science</i> , 1998 , 396, 78-86	1.8	20
133	A quantitative LEED analysis of the oxygen-induced p(3 × 3) reconstruction of Pt ₂₅ Rh ₇₅ (100). <i>Surface Science</i> , 1998 , 416, 384-395	1.8	20
132	Temperature-dependent segregation and (1 × 1) missing-row reconstruction of Pt ₂₅ Rh ₇₅ (110). <i>Surface Science</i> , 1999 , 423, 134-143	1.8	20
131	Direct assessment of the acidity of individual surface hydroxyls. <i>Nature</i> , 2021 , 592, 722-725	50.4	20
130	Probing the geometry of copper and silver adatoms on magnetite: quantitative experiment versus theory. <i>Nanoscale</i> , 2018 , 10, 2226-2230	7.7	19
129	Adjusting island density and morphology of the SrTiO ₃ (110)-(4 × 1) surface: Pulsed laser deposition combined with scanning tunneling microscopy. <i>Surface Science</i> , 2016 , 651, 76-83	1.8	19
128	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
127	Real-space imaging of the Verwey transition at the (100) surface of magnetite. <i>Physical Review B</i> , 2013 , 88,	3.3	19
126	Ultrathin Films of Co on Pt(111): an STM View. <i>Physica Status Solidi A</i> , 2001 , 187, 97-112		19
125	STM and STS of bulk electron scattering by subsurface objects. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000 , 109, 71-84	1.7	19
124	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
123	Interaction of oxygen with PtRh(100) studied with STM. <i>Surface Science</i> , 1997 , 388, 63-70	1.8	18
122	Vibration modes of mass-loaded planoconvex quartz crystal resonators. <i>Journal of the Acoustical Society of America</i> , 1991 , 90, 700-706	2.2	18
121	Reduced thickness of contamination layers determined from C 1s- and CKVV-lines. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1984 , 34, 313-316	1.7	18
120	High island densities in pulsed laser deposition: causes and implications. <i>Physical Review Letters</i> , 2009 , 103, 076101	7.4	17
119	Understanding the Structural Deactivation of Ruthenium Catalysts on an Atomic Scale under both Oxidizing and Reducing Conditions. <i>Angewandte Chemie</i> , 2005 , 117, 939-942	3.6	17

118	Segregation and surface chemical ordering [An experimental view on the atomic scale. <i>Chemical Physics of Solid Surfaces</i> , 2002 , 10, 118-151		17
117	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
116	Adsorption of CO on the FeO(001) Surface. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 721-729	3.4	16
115	Metal Adatoms and Clusters on Ultrathin Zirconia Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9920-9932	3.9	16
114	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
113	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
112	Ion-beam induced fcc-bcc transition in ultrathin Fe films for ferromagnetic patterning. <i>Applied Physics Letters</i> , 2008 , 93, 063102	3.4	16
111	Scanning tunneling microscopy studies of niobium carbide (100) and (110) surfaces. <i>Surface Science</i> , 1996 , 366, 85-92	1.8	16
110	Strain-induced local surface chemical ordering observed by STM. <i>Physical Review B</i> , 1996 , 53, 16019-16026	3.9	16
109	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
108	The accuracy of quantitative LEED in determining chemical composition profiles of substitutionally disordered alloys: a case study. <i>Surface Science</i> , 1998 , 416, 423-429	1.8	15
107	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
106	A misfit structure in the Co/Pt() system studied by scanning tunnelling microscopy and embedded atom method calculations. <i>Surface Science</i> , 2002 , 498, 257-265	1.8	14
105	Subsurface islands and superstructures of Cu on Pb(111). <i>Surface Science</i> , 1996 , 352-354, 540-545	1.8	14
104	Enhancement of STM images and estimation of atomic positions based on maximum entropy deconvolution. <i>Surface Science</i> , 1994 , 313, 6-16	1.8	14
103	In-situ magnetic nano-patterning of Fe films grown on Cu(100). <i>Journal of Applied Physics</i> , 2011 , 110, 024309	2.5	13
102	Trajectory-dependent neutralization of 1 keV He+ ions scattered from Pb(111) and Pb films on Cu(100). <i>Surface Science</i> , 1998 , 412-413, 202-212	1.8	13
101	The structure of the oxygen-induced c(6x6) reconstruction of V(1 1 0). <i>Surface Science</i> , 2002 , 512, 16-28	1.8	13

100	Scanning tunneling spectroscopy on clean and contaminated V(). <i>Surface Science</i> , 2002 , 513, 9-25	1.8	13
99	Adatom interlayer diffusion on Pt(1 1 1): an embedded atom method study. <i>Surface Science</i> , 2001 , 490, 29-42	1.8	13
98	STM Studies of HCl-induced Surface Damage on Highly Oriented Pyrolytic Graphite. <i>Physica Scripta</i> , 2001 , T92, 156-157	2.6	13
97	Progress in monitoring thin film thickness by use of quartz crystals. <i>Thin Solid Films</i> , 1989 , 174, 307-314	2.2	13
96	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
95	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
94	SEGREGATION PHENOMENA ON Pt _x Ni _{1-x} LOW INDEX SINGLE CRYSTAL SURFACES STUDIED BY STM. <i>Surface Review and Letters</i> , 1996 , 03, 1831-1845	1.1	12
93	Temperature-dependent segregation reversal and (1 $\bar{1}$) missing-row structure of Pt ₉₀ Co ₁₀ (110). <i>Surface Science</i> , 2000 , 453, 214-224	1.8	12
92	Apparatus for dosing liquid water in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2018 , 89, 083906	1.7	12
91	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
90	Vacancy clusters at domain boundaries and band bending at the SrTiO ₃ (110) surface. <i>Physical Review B</i> , 2014 , 90,	3.3	11
89	Ordered hydroxyls on CaRuO(001). <i>Nature Communications</i> , 2017 , 8, 23	17.4	10
88	Nickel-Oxide-Modified SrTiO(110)-(4 \times 1) Surfaces and Their Interaction with Water. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20481-20487	3.8	10
87	Point defects at cleaved Sr _{n+1} Ru _n O _{3n+1} (001) surfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	10
86	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
85	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
84	Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111). <i>Physical Review B</i> , 2012 , 86,	3.3	10
83	Exchange processes in interlayer diffusion [kinks, corners and the growth mode. <i>Applied Physics A: Materials Science and Processing</i> , 2001 , 72, 405-412	2.6	10

82	Superstructures of carbon on V(0). <i>Surface Science</i> , 2002 , 497, 294-304	1.8	10
81	High temperature growth of Pt on the Rh(111) surface. <i>Surface Science</i> , 1999 , 433-435, 554-558	1.8	10
80	Segregated Si on Fe _{96.5} Si _{3.5} (110): Domain-wall structures in a two-dimensional alloy. <i>Physical Review B</i> , 1994 , 50, 17518-17524	3.3	10
79	Incipient ferroelectricity: A route towards bulk-terminated SrTiO ₃ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
78	Pushing the detection of cation nonstoichiometry to the limit. <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
77	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
76	A Model System for Photocatalysis: Ti-Doped FeO(1102) Single-Crystalline Films. <i>Chemistry of Materials</i> , 2020 , 32, 3753-3764	9.6	9
75	Determination of electron-induced total sputter yield of LiF. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 101, 127-130	1.2	9
74	Competitive segregation of Si and P on Fe _{96.5} Si _{3.5} (100) and (110). <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 259-262		9
73	Surface effects on Pt-Ni single crystals calculated with the embedded-atom method. <i>Physical Review B</i> , 1993 , 48, 11352-11360	3.3	9
72	Zirconium-Palladium Interactions during Dry Reforming of Methane. <i>ECS Transactions</i> , 2017 , 78, 2419-2430		8
71	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
70	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
69	Investigation of Quartz Crystal Thickness Shear and Twist Modes Using a New Noninterferometric Laser Speckle Measurement Method 1985 ,		8
68	IrO ₂ Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020 , 125, 206101	7.4	8
67	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
66	Fe ₃ O ₄ (110) revisited: Periodic (111) nanofacets. <i>Surface Science</i> , 2016 , 649, L120-L123	1.8	8
65	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

64	Construction and evaluation of an ultrahigh-vacuum-compatible sputter deposition source. <i>Review of Scientific Instruments</i> , 2017 , 88, 103904	1.7	7
63	Metastable surface oxide on CoGa(100): Structure and stability. <i>Physical Review B</i> , 2010 , 81,	3.3	7
62	The nitrogen-induced herringbone reconstruction of Cr(110). <i>Surface Science</i> , 1997 , 389, L1140-L1146	1.8	7
61	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
60	An STM study of growth and alloying of Cr on Ru(0001) and CO adsorption on the alloy. <i>Surface Science</i> , 2005 , 578, 124-135	1.8	7
59	Growth of ultrathin Fe films on Cu(1 1 1) by pulsed laser deposition. <i>Surface Science</i> , 2005 , 594, 120-131	1.8	7
58	Growth of In ₂ O ₃ (111) thin films with optimized surfaces. <i>Physical Review Materials</i> , 2019 , 3,	3.2	7
57	Propagation of spin waves through a Néel domain wall. <i>Applied Physics Letters</i> , 2020 , 117, 022405	3.4	7
56	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
55	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
54	Growth and structure of an ultrathin tin oxide film on Rh(111). <i>Journal of Applied Physics</i> , 2011 , 109, 024903	2.0	6
53	A LEED study of NO superstructures on the Pd(111) surface. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 134005	1.8	6
52	Unusual cluster shapes and directional bonding of an fcc metal: Pt/Pt(111). <i>Physical Review Letters</i> , 2011 , 107, 016102	7.4	6
51	The role of localized rotational imbalance in drive level dependence phenomena		6
50	Stabilizing single metal adatoms at room temperature: Pd on C- and O-covered V(). <i>Surface Science</i> , 2002 , 496, 209-220	1.8	6
49	Sputtering of LiF(100) with low energetic Ne ⁺ and Ne ²⁺ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 65, 167-172	1.2	6
48	Surface composition of Pt ₂₅ Ni ₇₅ (111) investigated by ISS and STM. <i>Fresenius Journal of Analytical Chemistry</i> , 1993 , 346, 281-283		6
47	Epitaxial growth of complex oxide films: Role of surface reconstructions. <i>Physical Review Research</i> , 2019 , 1,	3.9	6

46	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
45	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
44	Substoichiometric ultrathin zirconia films cause strong metal-support interaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24837-24846	13	6
43	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
42	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
41	The Rh(100)-(3 × 3) ₂ O structure. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 225006	1.8	5
40	Composition and local atomic arrangement of decagonal Al-Co-Cu quasicrystal surfaces. <i>Physical Review B</i> , 2012 , 86,	3.3	5
39	Surface structure and composition of Pt ₅₀ Rh ₅₀ (111): room temperature analysis of the (1 × 1) ₂ missing-row reconstruction. <i>Surface Science</i> , 2003 , 530, 121-135	1.8	5
38	. <i>Surface Science</i> , 1995 , 331-333, 787-793	1.8	5
37	Surface Reduction State Determines Stabilization and Incorporation of Rh on Fe ₂ O ₃ (111). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001908	4.6	5
36	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
35	Prototypical Organic-Oxide Interface: Intramolecular Resolution of Sexiphenyl on InO(111). <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14175-14182	9.5	4
34	Ion-beam-induced magnetic transformation of CO-stabilized fcc Fe films on Cu(100). <i>Physical Review B</i> , 2010 , 82,	3.3	4
33	Oxygen-Stabilized Rh Adatoms: 0D Oxides on a Vicinal Surface. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2747-2751	6.4	4
32	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
31	Slowing down adatom diffusion by an adsorbate: Co on Pt(111) with and without preadsorbed CO. <i>Physical Review B</i> , 2003 , 68,	3.3	4
30	Surface structure of the missing-row reconstruction of VC _{0.8} (110): a scanning tunneling microscopy analysis. <i>Surface Science</i> , 2003 , 547, 394-402	1.8	4
29	Chemical analysis of Pt _x Ni _{1-x} alloy single crystal surfaces by scanning tunnelling microscopy. <i>Fresenius Journal of Analytical Chemistry</i> , 1994 , 349, 201-203		4

28	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
27	CO oxidation by Pt/FeO: Metastable dimer and support configurations facilitate lattice oxygen extraction.. <i>Science Advances</i> , 2022 , 8, eabn4580	14.3	4
26	Fast low-noise transimpedance amplifier for scanning tunneling microscopy and beyond. <i>Review of Scientific Instruments</i> , 2020 , 91, 074701	1.7	3
25	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
24	Charge Trapping an Stufenkanten von Anatas-TiO ₂ (101). <i>Angewandte Chemie</i> , 2014 , 126, 4804-4807	3.6	3
23	Structure of the cobalt-filled missing-row reconstruction of Pt(110). <i>Physical Review B</i> , 2004 , 70,	3.3	3
22	Deconvolution of STM images using entropy as a regularization functional. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 439-442		3
21	Why and How Savitzky-Golay Filters Should Be Replaced.. <i>ACS Measurement Science Au</i> , 2022 , 2, 185-196		3
20	Single Rh Adatoms Stabilized on FeO(11 02) by Coadsorbed Water.. <i>ACS Energy Letters</i> , 2022 , 7, 375-380	0.1	3
19	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
18	Few-monolayer yttria-doped zirconia films: Segregation and phase stabilization. <i>Journal of Chemical Physics</i> , 2020 , 152, 064709	3.9	2
17	Sexiphenyl on Cu(100): nc-AFM tip functionalization and identification. <i>Surface Science</i> , 2018 , 678, 124-128		2
16	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
15	Hochauflösende Rastertunnelmikroskopie unterscheidet Atome. <i>Physik in Unserer Zeit</i> , 2000 , 31, 215-221	0.1	2
14	Observation of a threshold in potential sputtering of LiF surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 164-165, 517-521	1.2	2
13	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021 , 12, 6488	17.4	2
12	Desorption from LiF(100) by Singly- and Doubly-Charged Hyperthermal He Ions. <i>Springer Series in Surface Sciences</i> , 1993 , 129-132	0.4	2
11	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

10	Competitive segregation of Si and P on Fe(96.5)Si(3.5) (100) and (110). <i>Analytical and Bioanalytical Chemistry</i> , 1995 , 353, 259-62	4.4	1
9	Segregated carbon on Pt ₁₀ Ni ₉₀ (100) studied by scanning tunneling microscopy. <i>Surface Science Letters</i> , 1993 , 294, L952-L958		1
8	Adsorption of CO on the Ca ₃ Ru ₂ O ₇ (001) surface. <i>Surface Science</i> , 2019 , 680, 18-23	1.8	1
7	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
6	Adsorption configurations of Co-phthalocyanine on In ₂ O ₃ (111). <i>Surface Science</i> , 2022 , 122065	1.8	0
5	ON THE ROLE OF KINKS AND STRAIN IN HETEROEPITAXIAL GROWTH: AN STM STUDY. <i>Surface Review and Letters</i> , 2000 , 07, 673-677	1.1	
4	Deconvolution of STM images using entropy as a regularization functional. <i>Analytical and Bioanalytical Chemistry</i> , 1995 , 353, 439-42	4.4	
3	Ionization of LiF by Hyperthermal Multiply Charged Ions. <i>NATO ASI Series Series B: Physics</i> , 1993 , 447-453		
2	Nanosession: Scanning Probe Microscopy on Oxides 177-184		
1	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on Fe ₂ O ₃ (110̄2) (Adv. Mater. Interfaces 8/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170045	4.6	