Ulrike Diebold

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.

24,888 248 155 70 h-index g-index citations papers 268 26,649 7.6 7.52 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
248	Why and How Savitzky-Golay Filters Should Be Replaced ACS Measurement Science Au, 2022 , 2, 185-19	6	3
247	Reconstruction changes drive surface diffusion and determine the flatness of oxide surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 023206	2.9	1
246	CO oxidation by Pt/FeO: Metastable dimer and support configurations facilitate lattice oxygen extraction <i>Science Advances</i> , 2022 , 8, eabn4580	14.3	4
245	Single Rh Adatoms Stabilized on FeO(11 02) by Coadsorbed Water ACS Energy Letters, 2022, 7, 375-38	30 20.1	3
244	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021 , 12, 6488	17.4	2
243	Polarons in materials. <i>Nature Reviews Materials</i> , 2021 , 6, 560-586	73.3	58
242	Direct assessment of the acidity of individual surface hydroxyls. <i>Nature</i> , 2021 , 592, 722-725	50.4	20
241	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on Fe2O3(11D2) (Adv. Mater. Interfaces 8/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170045	4.6	
240	Quest for a pristine unreconstructed SrTiO3(001) surface: An atomically resolved study via noncontact atomic force microscopy. <i>Physical Review B</i> , 2021 , 103,	3.3	6
239	Unraveling CO adsorption on model single-atom catalysts. <i>Science</i> , 2021 , 371, 375-379	33.3	72
238	Surface Reduction State Determines Stabilization and Incorporation of Rh on Fe2O3(11D2). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001908	4.6	5
237	Two-dimensional surface phase diagram of a multicomponent perovskite oxide: La0.8Sr0.2MnO3(110). <i>Physical Review Materials</i> , 2021 , 5,	3.2	4
236	Ni-modified Fe3O4(001) surface as a simple model system for understanding the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021 , 389, 138638	6.7	6
235	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
234	Fast low-noise transimpedance amplifier for scanning tunneling microscopy and beyond. <i>Review of Scientific Instruments</i> , 2020 , 91, 074701	1.7	3
233	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
232	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

(2019-2020)

231	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
230	Few-monolayer yttria-doped zirconia films: Segregation and phase stabilization. <i>Journal of Chemical Physics</i> , 2020 , 152, 064709	3.9	2
229	A Model System for Photocatalysis: Ti-Doped 臣eO(11 02) Single-Crystalline Films. <i>Chemistry of Materials</i> , 2020 , 32, 3753-3764	9.6	9
228	Highlights of the Science and Life of Peter Varga (19462018). <i>E-Journal of Surface Science and Nanotechnology</i> , 2020 , 18, 8-11	0.7	
227	Small Polarons in Transition Metal Oxides 2020 , 1035-1073		5
226	IrO_{2} Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020 , 125, 206101	7.4	8
225	Electrochemical Stability of the Reconstructed Fe3O4(001) Surface. <i>Angewandte Chemie</i> , 2020 , 132, 22	20886-22	2092
224	Electrochemical Stability of the Reconstructed Fe O (001) Surface. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21904-21908	16.4	11
223	Atomically resolved surface phases of La0.8Sr0.2MnO3(110) thin films. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22947-22961	13	8
222	Surface Science of Metal Oxides: Examining What Happens at the Atomic Scale. <i>Proceedings (mdpi)</i> , 2020 , 56, 22	0.3	
221	Nickel Doping Enhances the Reactivity of Fe3O4(001) to Water. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15038-15045	3.8	12
220	Using photoelectron spectroscopy to observe oxygen spillover to zirconia. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17613-17620	3.6	23
219	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
218	Local Structure and Coordination Define Adsorption in a Model Ir1/Fe3O4 Single-Atom Catalyst. <i>Angewandte Chemie</i> , 2019 , 131, 14099-14106	3.6	28
217	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
216	Incipient ferroelectricity: A route towards bulk-terminated SrTiO3. <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
215	Pushing the detection of cation nonstoichiometry to the limit. <i>Physical Review Materials</i> , 2019 , 3,	3.2	10
214	Growth of In2O3(111) thin films with optimized surfaces. <i>Physical Review Materials</i> , 2019 , 3,	3.2	7

213	Epitaxial growth of complex oxide films: Role of surface reconstructions. <i>Physical Review Research</i> , 2019 , 1,	3.9	6
212	Small Polarons in Transition Metal Oxides 2019 , 1-39		15
211	Substoichiometric ultrathin zirconia films cause strong metal upport interaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24837-24846	13	6
210	Interplay between Adsorbates and Polarons: CO on Rutile TiO_{2}(110). <i>Physical Review Letters</i> , 2019 , 122, 016805	7.4	44
209	Partially Dissociated Water Dimers at the WaterHematite Interface. ACS Energy Letters, 2019, 4, 390-39	6 20.1	25
208	Adsorption of CO on the Ca3Ru2O7(001) surface. Surface Science, 2019 , 680, 18-23	1.8	1
207	Stability and Catalytic Performance of Reconstructed Fe3O4(001) and Fe3O4(110) Surfaces during Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8304-8311	3.8	24
206	Surface structures of ZrO2 films on Rh(111): From two layers to bulk termination. <i>Surface Science</i> , 2019 , 679, 180-187	1.8	8
205	Sexiphenyl on Cu(100): nc-AFM tip functionalization and identification. Surface Science, 2018, 678, 124-	12/78	2
204	Polarity compensation mechanisms on the perovskite surface KTaO(001). <i>Science</i> , 2018 , 359, 572-575	33.3	57
203	Probing the geometry of copper and silver adatoms on magnetite: quantitative experiment versus theory. <i>Nanoscale</i> , 2018 , 10, 2226-2230	7.7	19
202	Prototypical Organic-Oxide Interface: Intramolecular Resolution of Sexiphenyl on InO(111). <i>ACS Applied Materials & Discourse (Materials & Discours)</i> 10, 14175-14182	9.5	4
201	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
200	Adsorption of CO on the FeO(001) Surface. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 721-729	3.4	16
199	Formation and dynamics of small polarons on the rutile TiO2(110) surface. <i>Physical Review B</i> , 2018 , 98,	3.3	42
198	High-affinity adsorption leads to molecularly ordered interfaces on TiO in air and solution. <i>Science</i> , 2018 , 361, 786-789	33.3	135
197	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
196	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

(2016-2018)

195	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	
194	Apparatus for dosing liquid water in ultrahigh vacuum. Review of Scientific Instruments, 2018, 89, 08390	6 1.7	12	
193	Water adsorption at zirconia: from the ZrO2(111)/Pt3Zr(0001) model system to powder samples. Journal of Materials Chemistry A, 2018 , 6, 17587-17601	13	19	
192	A multi-technique study of CO adsorption on FeO magnetite. <i>Journal of Chemical Physics</i> , 2017 , 146, 014701	3.9	39	
191	Formaldehyde Adsorption on the Anatase TiO2(101) Surface: Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8914-8922	3.8	22	
190	Ordered hydroxyls on CaRuO(001). <i>Nature Communications</i> , 2017 , 8, 23	17.4	10	
189	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	
188	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	
187	Surface point defects on bulk oxides: atomically-resolved scanning probe microscopy. <i>Chemical Society Reviews</i> , 2017 , 46, 1772-1784	58.5	71	
186	Polaron-Driven Surface Reconstructions. <i>Physical Review X</i> , 2017 , 7,	9.1	22	
185	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	
184	Surface Structure of TiO Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26424-26431	3.8	27	
183	Methanol on Anatase TiO (101): Mechanistic Insights into Photocatalysis. ACS Catalysis, 2017, 7, 7081-70	093.1	62	
182	Perspective: A controversial benchmark system for water-oxide interfaces: HO/TiO(110). <i>Journal of Chemical Physics</i> , 2017 , 147, 040901	3.9	35	
181	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	
180	Construction and evaluation of an ultrahigh-vacuum-compatible sputter deposition source. <i>Review of Scientific Instruments</i> , 2017 , 88, 103904	1.7	7	
179	Adsorption on Metal Oxide Surfaces 2016 , 793-817		4	
178	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	

177	Atomic structure and stability of magnetite Fe3O4(001): An X-ray view. Surface Science, 2016, 653, 76-8	11.8	30
176	Adjusting island density and morphology of the SrTiO3(110)-(4 🗈) surface: Pulsed laser deposition combined with scanning tunneling microscopy. <i>Surface Science</i> , 2016 , 651, 76-83	1.8	19
175	Metal Adatoms and Clusters on Ultrathin Zirconia Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9920	0-9 9 32	16
174	Interplay between Steps and Oxygen Vacancies on Curved TiO2(110). <i>Nano Letters</i> , 2016 , 16, 2017-22	11.5	23
173	Adsorption of water at the SrO surface of Truthenates. <i>Nature Materials</i> , 2016 , 15, 450-455	27	50
172	Following the Reduction of Oxygen on TiO2 Anatase (101) Step by Step. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9565-71	16.4	56
171	Transition from Reconstruction toward Thin Film on the (110) Surface of Strontium Titanate. <i>Nano Letters</i> , 2016 , 16, 2407-12	11.5	25
170	Fe3O4(110)ប៉ា B) revisited: Periodic (111) nanofacets. <i>Surface Science</i> , 2016 , 649, L120-L123	1.8	8
169	Tailoring the nature and strength of electron-phonon interactions in the SrTiO3(001) 2D electron liquid. <i>Nature Materials</i> , 2016 , 15, 835-9	27	126
168	Dual role of CO in the stability of subnano Pt clusters at the Fe3O4(001) surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8921-6	11.5	85
167	Coexistence of trapped and free excess electrons in SrTiO3. <i>Physical Review B</i> , 2015 , 91,	3.3	68
166	Adsorption of Formic Acid on the Fe3O4(001) Surface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20459	9-3.846	540
165	NO adsorption and diffusion on hydroxylated rutile TiO2(110). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26594-8	3.6	14
164	A Multitechnique Study of CO Adsorption on the TiO2 Anatase (101) Surface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21044-21052	3.8	48
163	Nickel-Oxide-Modified SrTiO(110)-(4 🗈) Surfaces and Their Interaction with Water. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20481-20487	3.8	10
162	Aggregation and electronically induced migration of oxygen vacancies in TiO2 anatase. <i>Physical Review B</i> , 2015 , 91,	3.3	39
161	Adsorption and incorporation of transition metals at the magnetite Fe3O4(001) surface. <i>Physical Review B</i> , 2015 , 92,	3.3	61
160	An Atomic-Scale View of CO and H2 Oxidation on a Pt/Fe3O4 Model Catalyst. <i>Angewandte Chemie</i> , 2015 , 127, 14205-14208	3.6	6

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159	Molecular Ordering at the Interface Between Liquid Water and Rutile TiO2(110). <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500246	4.6	61
158	An Atomic-Scale View of CO and H2 Oxidation on a Pt/Fe3 O4 Model Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13999-4002	16.4	52
157	In situ scanning tunneling microscopy study of Ca-modified rutile TiO2(110) in bulk water. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 438-43	3	7
156	Anisotropic two-dimensional electron gas at SrTiO3(110). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3933-7	11.5	83
155	Identification of adsorbed molecules via STM tip manipulation: CO, HD, and Olbn TiOlanatase (101). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21524-30	3.6	42
154	Direct view at excess electrons in TiO2 rutile and anatase. <i>Physical Review Letters</i> , 2014 , 113, 086402	7.4	300
153	Synthesis, Characterization, and Computation of Catalysts at the Center for Atomic-Level Catalyst Design. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20043-20069	3.8	17
152	Vacancy clusters at domain boundaries and band bending at the SrTiO3(110) surface. <i>Physical Review B</i> , 2014 , 90,	3.3	11
151	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
150	Hybrid exchange density functional study of vicinal anatase TiO2 surfaces. <i>Physical Review B</i> , 2014 , 89,	3.3	13
149	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
148	Charge trapping at the step edges of TiO(2) anatase (101). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4714-6	16.4	90
147	Stoichiometry-driven switching between surface reconstructions on SrTiO(001). <i>Surface Science</i> , 2014 , 621, L1-L4	1.8	33
146	Cluster nucleation and growth from a highly supersaturated adatom phase: silver on magnetite. <i>ACS Nano</i> , 2014 , 8, 7531-7	16.7	43
145	Surface preparation of TiO2 anatase (101): Pitfalls and how to avoid them. <i>Surface Science</i> , 2014 , 626, 61-67	1.8	37
144	Reducing the In2O3(111) Surface Results in Ordered Indium Adatoms. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400289	4.6	22
143	Charge Trapping an Stufenkanten von Anatas-TiO2(101). Angewandte Chemie, 2014, 126, 4804-4807	3.6	3
142	Point defects at cleaved Srn+1RunO3n+1(001) surfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	10

141	Subsurface cation vacancy stabilization of the magnetite (001) surface. <i>Science</i> , 2014 , 346, 1215-8	33.3	181
140	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
139	Tailoring the photocatalytic reaction rate of a nanostructured TiO2 matrix using additional gas phase oxygen. <i>International Nano Letters</i> , 2013 , 3, 1	5.7	12
138	Real-space imaging of the Verwey transition at the (100) surface of magnetite. <i>Physical Review B</i> , 2013 , 88,	3.3	19
137	Reaction of O2 with subsurface oxygen vacancies on TiO2 anatase (101). Science, 2013, 341, 988-91	33.3	377
136	Probing the surface phase diagram of Fe3O4(001) towards the Fe-rich limit: Evidence for progressive reduction of the surface. <i>Physical Review B</i> , 2013 , 87,	3.3	61
135	Carbon monoxide-induced adatom sintering in a Pd-Fe3O4 model catalyst. <i>Nature Materials</i> , 2013 , 12, 724-8	27	191
134	Water Adsorption at the Tetrahedral Titania Surface Layer of SrTiO(110)-(4 🗓). <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26060-26069	3.8	29
133	Strain-induced defect superstructure on the SrTiO3(110) surface. <i>Physical Review Letters</i> , 2013 , 111, 056101	7.4	30
132	Nickel carbide as a source of grain rotation in epitaxial graphene. <i>ACS Nano</i> , 2012 , 6, 3564-72	16.7	72
131	Disorder and Defect Healing in Graphene on Ni(111). Journal of Physical Chemistry Letters, 2012, 3, 136-	16.9	62
130	Trapping Nitric Oxide by Surface Hydroxyls on Rutile TiO2(110). <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1887-1891	3.8	32
129	Bulk and surface characterization of In2O3(001) single crystals. <i>Physical Review B</i> , 2012 , 85,	3.3	54
128	Imaging physical phenomena with local probes: From electrons to photons. <i>Reviews of Modern Physics</i> , 2012 , 84, 1343-1381	40.5	70
127	(Sub)surface mobility of oxygen vacancies at the TiO2 anatase (101) surface. <i>Physical Review Letters</i> , 2012 , 109, 136103	7.4	149
126	Evidence for st Hybridization in Au38Clusters. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5857-5861	3.8	7
125	Ordered array of single adatoms with remarkable thermal stability: Au/Fe3O4(001). <i>Physical Review Letters</i> , 2012 , 108, 216103	7.4	97
124	Tailoring the Interface Properties of Magnetite for Spintronics 2012 ,		

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123	Pt3Zr(0001): A substrate for growing well-ordered ultrathin zirconia films by oxidation. <i>Physical Review B</i> , 2012 , 86,	3.3	41
122	Antiphase domain boundaries at the Fe3O4(001) surface. <i>Physical Review B</i> , 2012 , 85,	3.3	34
121	Adsorption-site-dependent electronic structure of catechol on the anatase TiO2(101) surface. <i>Langmuir</i> , 2011 , 27, 8600-4	4	36
120	Growth and organization of an organic molecular monolayer on TiO2: catechol on anatase (101). <i>Journal of the American Chemical Society</i> , 2011 , 133, 7816-23	16.4	93
119	Photocatalysts: closing the gap. <i>Nature Chemistry</i> , 2011 , 3, 271-2	17.6	68
118	Room temperature water splitting at the surface of magnetite. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12650-5	16.4	105
117	Photoemission Study of Azobenzene and Aniline Adsorbed on TiO2 Anatase (101) and Rutile (110) Surfaces. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10173-10179	3.8	14
116	An in vitro controlled release study of valproic acid encapsulated in a titania ceramic matrix. <i>Applied Surface Science</i> , 2011 , 257, 7920-7927	6.7	19
115	A metastable Fe(A) termination at the Fe3O4(001) surface. Surface Science, 2011, 605, L42-L45	1.8	36
114	Observation and destruction of an elusive adsorbate with STM: OITiO(1110). <i>Physical Review Letters</i> , 2010 , 105, 216101	7.4	68
113	Hydrogen bonding controls the dynamics of catechol adsorbed on a TiO2(110) surface. <i>Science</i> , 2010 , 328, 882-4	33.3	193
112	SemiconductorBalf metal transition at the Fe3O4(001) surface upon hydrogen adsorption. <i>Physical Review B</i> , 2010 , 82,	3.3	77
111	Straightforward self-assembly of porphyrin nanowires in water: harnessing adamantane/beta-cyclodextrin interactions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9966-	7 ^{16.4}	78
110	Preparation of a pristine TiO2 anatase (101) surface by cleaving. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 084014	1.8	7
109	Influence of Subsurface Defects on the Surface Reactivity of TiO2: Water on Anatase (101). <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1278-1284	3.8	184
108	Reactivity of TiO2 rutile and anatase surfaces toward nitroaromatics. <i>Journal of the American Chemical Society</i> , 2010 , 132, 64-6	16.4	89
107	Oxide surface science. <i>Annual Review of Physical Chemistry</i> , 2010 , 61, 129-48	15.7	151
106	Evidence for the predominance of subsurface defects on reduced anatase TiO2(101). <i>Physical Review Letters</i> , 2009 , 102, 106105	7.4	211

105	The 2¶ reconstruction of the rutile TiO2(011) surface: A combined density functional theory, X-ray diffraction, and scanning tunneling microscopy study. <i>Surface Science</i> , 2009 , 603, 138-144	1.8	96
104	Local ordering and electronic signatures of submonolayer water on anatase TiO2(101). <i>Nature Materials</i> , 2009 , 8, 585-9	27	265
103	In memoriam of Theodore Eugene MadeyOctober 24, 1937 July 27, 2008. <i>Surface Science Reports</i> , 2009 , 64, iii-iv	12.9	1
102	Nucleation and Growth of 1D Water Clusters on Rutile TiO2 (011)-2¶. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10329-10332	3.8	32
101	Correlation between bonding geometry and band gap states at organic-inorganic interfaces: catechol on rutile TiO2(110). <i>Journal of the American Chemical Society</i> , 2009 , 131, 980-4	16.4	159
100	Water-soluble nanorods self-assembled via pristine C60 and porphyrin moieties. <i>Chemical Communications</i> , 2009 , 4209-11	5.8	33
99	The structure of the polar Sn-doped indium oxide (001) surface. <i>Applied Physics Letters</i> , 2009 , 95, 25310	153.4	34
98	Small Au and Pt clusters at the anatase TiO2(101) surface: behavior at terraces, steps, and surface oxygen vacancies. <i>Journal of the American Chemical Society</i> , 2008 , 130, 370-81	16.4	254
97	Scanning Tunneling Microscopy Study of a Vicinal Anatase TiO2 Surface. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16166-16170	3.8	9
96	Surface structure of Sn-doped In2O3(111) thin films by STM. New Journal of Physics, 2008, 10, 125030	2.9	60
95	Decomposition of catechol and carbonaceous residues on TiO2(110): A model system for cleaning of extreme ultraviolet lithography optics. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 2236-224	10	11
94	Oxygen adsorption on CuปิกO(0001)ปิก. <i>Physical Review B</i> , 2008 , 77,	3.3	19
93	Wiggling its way out of surface polarity: Fe3O4(100) (A Perspectives on the article: A combined DFT/LEED approach for complex oxide surface structure determination: Fe3O4(011) by R. Pentcheva, W. Moritz, J. Rundgren, S. Frank, D. Schrupp, M. Scheffler). Surface Science, 2008, 602, 1297-	1.8 1298	1
92	Defects and Pd growth on the reduced SnO2(1 0 0) surface. Surface Science, 2008, 602, 1699-1704	1.8	4
91	Characterization of individual SnO2 nanobelts with STM. Surface Science, 2008, 602, L112-L114	1.8	6
90	Surface studies of gas sensing metal oxides. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 2307-18	3.6	131
89	Surface studies of nitrogen implanted TiO2. Chemical Physics, 2007, 339, 36-43	2.3	92
88	Surface and Interface Properties of Metal-Organic Chemical Vapor Deposition Grown a-Plane Mg x Zn1 O (0 /k /l0.3) Films. <i>Journal of Electronic Materials</i> , 2007 , 36, 446-451	1.9	9

(2005-2007)

87	Growth of one-dimensional Pd nanowires on the terraces of a reduced SnO2(101) surface. <i>Physical Review Letters</i> , 2007 , 98, 186102	7.4	15
86	Electron-induced oxygen desorption from the TiO2(011)-2x1 surface leads to self-organized vacancies. <i>Science</i> , 2007 , 317, 1052-6	33.3	102
85	Are the surfaces of CrO2metallic?. Journal of Physics Condensed Matter, 2007, 19, 315207	1.8	11
84	Structure, defects, and impurities at the rutile TiO2(0 1 1)-(2 🗓) surface: A scanning tunneling microscopy study. <i>Surface Science</i> , 2006 , 600, 4407-4417	1.8	59
83	Tuning surface properties of SnO2(1 0 1) by reduction. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1923-1929	3.9	25
82	Enhanced tunneling magnetoresistance and high-spin polarization at room temperature in a polystyrene-coated Fe3O4 granular system. <i>Physical Review B</i> , 2006 , 73,	3.3	70
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