Geoff Thornton

List of Publications by Year
in descending order

286	12,077	28190	37111
papers	citations	55 h-index	96 g-index

296	296	296	9021
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct visualization of defect-mediated dissociation of water on TiO2(110). Nature Materials, 2006, 5, 189-192.	13.3	583
2	Chemical reactions on rutile TiO2(110). Chemical Society Reviews, 2008, 37, 2328.	18.7	476
3	Stability of Polar Oxide Surfaces. Physical Review Letters, 2001, 86, 3811-3814.	2.9	400
4	Imaging Water Dissociation onTiO2(110). Physical Review Letters, 2001, 87, 266103.	2.9	312
5	Relaxation ofTiO2(110)-(1Ã—1) Using Surface X-Ray Diffraction. Physical Review Letters, 1997, 78, 495-498.	2.9	303
6	Structure of Clean and Adsorbate-Covered Single-Crystal Rutile TiO₂ Surfaces. Chemical Reviews, 2013, 113, 3887-3948.	23.0	289
7	A neutron diffraction study of LaCoO3 in the temperature range 4.2 < T < 1248 K. Journal of Solid State Chemistry, 1986, 61, 301-307.	1.4	270
8	Electron traps and their effect on the surface chemistry of TiO ₂ (110). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2391-2396.	3.3	264
9	Oxygen Vacancy Origin of the Surface Band-Gap State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>110</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 407 Td (stretchy="fa	2.9	256
10	Structure of a model TiO2Âphotocatalytic interface. Nature Materials, 2017, 16, 461-466.	13.3	234
11	Size-Dependent Dissociation of Carbon Monoxide on Cobalt Nanoparticles. Journal of the American Chemical Society, 2013, 135, 2273-2278.	6.6	195
12	Structure and dynamics of liquid water on rutile<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2010, 82, .	1.1	182
13	Effect of stoichiometry on the structure ofTiO2(110). Physical Review B, 1995, 51, 10989-10997.	1.1	177
14	Revisiting the Surface Structure ofTiO2(110): A Quantitative low-Energy Electron Diffraction Study. Physical Review Letters, 2005, 94, .	2.9	154
15	Added row model ofTiO2(110)1Ã—2. Physical Review B, 1998, 58, 1586-1589.	1.1	132
16	Structures ofFe3O4(111) surfaces observed by scanning tunneling microscopy. Physical Review B, 1996, 53, 10244-10253.	1.1	125
17	Biphase Ordering of Iron Oxide Surfaces. Physical Review Letters, 1995, 75, 1961-1964.	2.9	121
18	Fe3O4(111) termination of Î±-Fe2O3(0001). Surface Science, 1994, 310, L609-L613.	0.8	117

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19	Defect Structure of Ultrathin Ceria Films on Pt(111): Atomic Views from Scanning Tunnelling Microscopy. Journal of Physical Chemistry C, 2010, 114, 17036-17041.	1.5	108
20	One-dimensional reactivity in catalysis studied with the scanning tunnelling microscope. Nature, 1993, 363, 706-709.	13.7	107
21	Surface relaxation of SrTiO3(001). Surface Science, 2000, 457, L376-L380.	0.8	100
22	Timeâ€ofâ€flight photoelectron spectroscopy of gases using synchrotron radiation. Review of Scientific Instruments, 1979, 50, 1268-1273.	0.6	96
23	A neutron diffraction determination of the structures of Ba2SbVBiIIIO6 and Ba2BiVBiIIIO6. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1978, 34, 351-354.	0.4	94
24	Biphase ordering onFe3O4(111). Physical Review B, 1997, 55, 15885-15894.	1.1	94
25	The rare earth cobaltates: localised or collective electron behaviour?. Journal of Physics C: Solid State Physics, 1988, 21, 2871-2880.	1.5	93
26	Step and point defect effects on TiO2(100) reactivity. Surface Science, 1991, 251-252, 747-752.	0.8	93
27	Imaging the polar and non-polar surfaces of ZnO with STM. Surface Science, 1998, 415, L1046-L1050.	0.8	93
28	Geometric Structure ofTiO2(011)(2Ã—1). Physical Review Letters, 2008, 101, 185501.	2.9	87
29	Interrelationship of structural elements onTiO2(100)-(1Ã—3). Physical Review Letters, 1994, 72, 689-692.	2.9	86
30	Observation of ordered oxygen vacancies on TiO2(100)1Ã—3 using scanning tunneling microscopy and spectroscopy. Physical Review B, 1992, 46, 12877-12879.	1.1	85
31	Orientation of carboxylates on TiO2(110). Surface Science, 2001, 471, 163-169.	0.8	85
32	Effects of exchange, correlation, and numerical approximations on the computed properties of the rutileTiO2(100) surface. Physical Review B, 1999, 59, 2320-2326.	1.1	84
33	Angle-resolved photoemission determination ofÎ›-line valence bands in Pt and Au using synchrotron radiation. Physical Review B, 1980, 22, 581-592.	1.1	83
34	Atomic-resolution STM of a system with strongly correlated electrons:NiO(001) surface structure and defect sites. Physical Review B, 1997, 55, 7859-7863.	1.1	83
35	Electronic Structure of Cobalt Nanocrystals Suspended in Liquid. Nano Letters, 2007, 7, 1919-1922.	4.5	83
36	Alkali-metalâ€“toâ€“substrate charge transfer inTiO2(100)c(2Ã—2)K. Physical Review B, 1992, 45, 6969-6972.	1.1	81

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37	Scanning tunnelling microscopy studies of Î±-Fe2O3(0001). Surface Science, 1998, 397, 278-287.	0.8	80
38	Orientation of 10,11-dihydrocinchonidine on Pt(111). Surface Science, 1999, 436, L691-L696.	0.8	79
39	Spin state equilibria and the semiconductor to metal transition of LaCoO3. Solid State Communications, 1982, 44, 1213-1216.	0.9	78
40	Dealloying of Cobalt from CuCo Nanoparticles under Syngas Exposure. Journal of Physical Chemistry C, 2013, 117, 6259-6266.	1.5	74
41	Scanning-tunneling-microscopy study of the oxygen-induced reconstruction of Rh(110). Physical Review B, 1993, 47, 12976-12979.	1.1	72
42	Engineering Polarons at a Metal Oxide Surface. Physical Review Letters, 2016, 117, 116402.	2.9	68
43	Acetic Acid Adsorption on Anatase TiO₂(101). Journal of Physical Chemistry C, 2012, 116, 11643-11651.	1.5	67
44	Ultrathin ordered CeO2 overlayers on Pt(111): interaction with NO2, NO, H2O and CO. Surface Science, 2000, 467, 201-213.	0.8	66
45	Stoichiometry ofFe3â^'Î´O4(111)ultrathin films on Pt(111). Physical Review B, 2003, 67, .	1.1	65
46	Geometric structure ofTiO2(110)(1Ã—1): Achieving experimental consensus. Physical Review B, 2007, 75, .	1.1	62
47	Redox Behavior of the Model Catalyst Pd/CeO2â^'x/Pt(111). Journal of Physical Chemistry C, 2008, 112, 10918-10922.	1.5	62
48	Electronic structure of Si(100)2Ã—1-Cl studied with angle-resolved photoemission. Physical Review B, 1990, 42, 9534-9539.	1.1	61
49	Oxygen-vacancy sites onTiO2(100)1Ã—3 using surface core-level-shift photoelectron diffraction. Physical Review B, 1993, 47, 16056-16059.	1.1	61
50	HREELS study of the interaction of formic acid with ZnO(101Ì„0) and ZnO(0001Ì„)-O. Surface Science, 1997, 382, 19-25.	0.8	61
51	Photoelectron angular distributions of H2O. Journal of Chemical Physics, 1982, 76, 860-865.	1.2	60
52	First-principles study of potassium adsorption onTiO2surfaces. Physical Review B, 1999, 59, 15457-15463.	1.1	59
53	Probing molecular orientation in corrosion inhibition via a NEXAFS study of benzotriazole and related molecules on Cu(100). Surface Science, 1998, 415, 423-432.	0.8	57
54	C60 adsorption on the quasicrystalline surface of Al70Pd21Mn9. Surface Science, 2001, 472, 89-96.	0.8	57

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55	The electronic structure of SrTiO3 from a direct-transition analysis of angle-resolved photoemission data. Solid State Communications, 1986, 57, 473-477.	0.9	55
56	The orientation of formate and carbonate on ZnO(101Ì„0). Surface Science, 1993, 298, L196-L202.	0.8	55
57	STM study of oxygen on Rh(110). Physical Review B, 1994, 49, 5585-5590.	1.1	55
58	Extended defects on TiO2(100) 1 Ã— 3. Surface Science, 1994, 321, 217-228.	0.8	55
59	Final-state effects in the 3d and 4d X-Ray photoelectron spectra of CeO2. Chemical Physics Letters, 1981, 77, 409-412.	1.2	52
60	Structures of the4Ã—1and1Ã—2reconstructions ofSnO2(110). Physical Review B, 2000, 62, R7775-R7778.	1.1	52
61	Noncontact atomic force microscopy imaging of water dissociation products onTiO2(110). Physical Review B, 2006, 74, .	1.1	52
62	Modelling STM images of TiO2(110) from first-principles: Defects, water adsorption and dissociation products. Chemical Physics Letters, 2007, 437, 73-78.	1.2	52
63	SrTiO3(100) step sites as catalytic centers for H2O dissociation. Solid State Communications, 1987, 64, 383-386.	0.9	51
64	Valence-band structure ofTiO2along the Î“-Î”-Xand Î“-Î£-Mdirections. Physical Review B, 1994, 49, 7170-7177.	1.1	51
65	Evidence of Discrete Bond Breaking Steps in the1Ã—1to1Ã—3Phase Transition ofTiO2(100). Physical Review Letters, 1999, 82, 5265-5268.	2.9	50
66	X-ray and UV photoelectron spectra of the metal sesquioxides. Journal of Physics and Chemistry of Solids, 1981, 42, 1051-1055.	1.9	49
67	Growth of copper and palladium on Î±-Al2O3(0001). Surface Science, 2000, 460, L510-L514.	0.8	49
68	Magnetic properties of stoichiometric and nonstoichiometric ultrathin Fe3O4(111) films on Al2O3(0001). Journal of Applied Physics, 2004, 96, 1165-1169.	1.1	48
69	Reactivity of thin-film TiO2(110). Surface Science, 2000, 462, 68-76.	0.8	47
70	Metal supported oxide nanostructures: model systems for advanced catalysis. Topics in Catalysis, 2007, 46, 137-149.	1.3	47
71	Bridging Hydroxyls on Anatase TiO₂(101) by Water Dissociation in Oxygen Vacancies. Journal of Physical Chemistry B, 2018, 122, 834-839.	1.2	47
72	A powder neutron diffraction determination of the structure of BaPbO3 at 4.2K. Materials Research Bulletin, 1976, 11, 837-841.	2.7	46

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73	2p resonant photoemission study ofTiO2s. Physical Review B, 1997, 55, 9520-9523.	1.1	46
74	Geometric structure of anatase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>101</mml:mn> Physical Review B, 2017, 95, .	1.1	45
75	Water Dissociates at the Aqueous Interface with Reduced Anatase TiO₂ (101). Journal of Physical Chemistry Letters, 2018, 9, 3131-3136.	2.1	45
76	Fluorescence decay of the O+u and 1u states of Xe2. Journal of Chemical Physics, 1979, 71, 133-139.	1.2	43
77	Relativistic effects on the surface electronic structure of Cu(001): Observation of a spin-orbit-gap surface state. Physical Review B, 1986, 33, 4373-4375.	1.1	43
78	Tailored TiO2(110) surfaces and their reactivity. Nanotechnology, 2006, 17, 5397-5405.	1.3	43
79	Mechanism of Ethanol Photooxidation on Single-Crystal Anatase TiO₂(101). Journal of Physical Chemistry C, 2017, 121, 2940-2950.	1.5	43
80	Selective Resonant Enhancement of Electron-Correlation Satellites in Atomic Barium. Physical Review Letters, 1979, 43, 1384-1387.	2.9	42
81	Interaction of O2 with SnO2(110)1 Ã— 1 and 4 Ã— 1. Vacuum, 1992, 43, 1129-1131.	1.6	42
82	Na adsorption sites on TiO2(110)â˜1 Ã— 2 and its 2 Ã— 2 superlattice. Surface Science, 1995, 323, L281-L286.	0.8	42
83	Surface structure of thermionic-emission cathodes. Physical Review Letters, 1987, 58, 519-522.	2.9	40
84	ZnOâ€“O surface structure: hydrogen-free (1Ã—1) termination. Surface Science, 2004, 565, L283-L287.	0.8	40
85	Substrate-termination and H2O-coverage dependent dissociation of H2O on Fe3O4(111). Surface Science, 2008, 602, 1155-1165.	0.8	40
86	The two-band model of the LaCoO3semiconductor-metal transition: a spectroscopic evaluation. Journal of Physics Condensed Matter, 1991, 3, 417-422.	0.7	38
87	The atomic and electronic structure of the (001) surface of monoclinic pyrrhotite (Fe7S8) as studied using STM, LEED and quantum mechanical calculations. Surface Science, 1997, 389, 66-87.	0.8	38
88	Scanning Tunneling Microscopy Contrast Mechanisms for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 109, 156105.	2.9	38
89	H2O adsorption onBi2Sr2CaCu2O8(001). Physical Review B, 1990, 41, 11623-11626.	1.1	37
90	Beam line 4: A dedicated surface science facility at Daresbury Laboratory. Review of Scientific Instruments, 1992, 63, 1342-1345.	0.6	37

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91	Gold Cluster Coverage Effect on H₂ Production over Rutile TiO₂(110). ACS Catalysis, 2019, 9, 8294-8305.	5.5	37
92	Potassium adsorption on TiO2(100). Journal of Physics Condensed Matter, 1991, 3, S91-S95.	0.7	36
93	A study of final state structure in the x-pe spectra of the rare earth oxides, Part III: Ionisation of a 4d electron. Journal of Electron Spectroscopy and Related Phenomena, 1978, 13, 27-38.	0.8	35
94	Non-contact atomic force microscopy imaging of TiO2(100) surfaces. Applied Surface Science, 1999, 140, 271-275.	3.1	35
95	In-plane magnetization of an ultrathin film ofFe3O4(111)grown epitaxially on Pt(111). Physical Review B, 1998, 58, R11861-R11863.	1.1	34
96	CO Adsorption on the Model Catalyst Pd/CeO₂₋_x(111)/Rh(111). Journal of Physical Chemistry C, 2007, 111, 14215-14222.	1.5	34
97	Geometric structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>(110)-(1×2): Confirming experimental conclusions. Physical Review B, 2010, 81, .	1.1	34
98	Ordered Carboxylates on TiO₂(110) Formed at Aqueous Interfaces. Journal of Physical Chemistry Letters, 2014, 5, 4265-4269.	2.1	34
99	The bonding of hydrogen on waterâ€dosed Si(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1986, 4, 1451-1454.	0.9	33
100	Electronic structure effects of potassium adsorption on TiO2(100). Surface Science, 1992, 269-270, 677-681.	0.8	33
101	Molecular scale investigations of the reactivity of magnetite with formic acid, pyridine, and carbon tetrachloride. Geochimica Et Cosmochimica Acta, 2006, 70, 3593-3612.	1.6	33
102	Growth and Reactivity of Titanium Oxide Ultrathin Films on Ni(110). Journal of Physical Chemistry C, 2007, 111, 7704-7710.	1.5	33
103	Mixed O+N layers on a Rh(110) surface: Competition between nitrogen and oxygen reconstructive interactions. Physical Review Letters, 1993, 71, 4369-4372.	2.9	32
104	Nitrogen-induced reconstruction on Rh(110): effect of oxygen on the growth and ordering of Rh-N chains. Surface Science, 1994, 304, 48-58.	0.8	32
105	Performance of the soft xâ€ray double crystal monochromator on beamline 4.2 at the SRS, Daresbury Laboratory. Review of Scientific Instruments, 1995, 66, 1762-1764.	0.6	32
106	Nanoscale Templating of One-Dimensional Surface Molecular Structures. Physical Review Letters, 1998, 80, 988-990.	2.9	32
107	STM study of Pd growth on TiO2(100)-(1 Ã— 3). Surface Science, 1997, 380, L455-L458.	0.8	31
108	A HREELS study of the effect of Cu on the interaction of HCOOH with ZnO()-O. Surface Science, 1998, 415, 122-130.	0.8	31

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109	Windows and photocathodes for a high resolution solid state bandpass ultraviolet photon detector for inverse photoemission. Review of Scientific Instruments, 1997, 68, 41-46.	0.6	30
110	Thin film TiO2 on nickel(110): an STM study. Thin Solid Films, 2001, 400, 43-45.	0.8	30
111	Reply to â€œComment on `Structure and dynamics of liquid water on rutile TiO2(110)'â€‰â€• Physical Review B, 2012, 85, .	1.1	30
112	Spillover Reoxidation of Ceria Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 11037-11044.	1.5	30
113	On the dominance of an indirect mechanism for photon stimulated ion desorption from SrTiO3(100)î—¸H2O. Surface Science, 1986, 178, 897-906.	0.8	29
114	NEXAFS study of CO adsorption on ZnO(0001Ì„)â€“O and ZnO(0001Ì„)â€“O/Cu. Surface Science, 1999, 439, 131-138.	0.8	29
115	Imaging reconstructed TiO2 surfaces with non-contact atomic force microscopy. Applied Surface Science, 2000, 157, 233-238.	3.1	29
116	Imaging in situ cleaved MgO(1 0 0) with non-contact atomic force microscopy. Applied Surface Science, 2003, 210, 2-5.	3.1	29
117	Low-Dimensional, Reduced Phases of Ultrathin TiO₂. ACS Nano, 2007, 1, 409-414.	7.3	29
118	Transition-metal monoxides: band or Mott insulators? Angle-resolved photoemission results for CoO. Journal of Physics Condensed Matter, 1989, 1, 4267-4272.	0.7	28
119	Non-Band-Gap Photoexcitation of Hydroxylated TiO₂. Journal of Physical Chemistry Letters, 2015, 6, 3391-3395.	2.1	28
120	Visualization of Water-Induced Surface Segregation of Polarons on Rutile TiO₂(110). Journal of Physical Chemistry Letters, 2018, 9, 4865-4871.	2.1	28
121	On the photoelectron spectra of UO2. Journal of Electron Spectroscopy and Related Phenomena, 1980, 19, 205-211.	0.8	27
122	A photoemission study of H2O adsorption on a vicinal Si(100) surface. Vacuum, 1988, 38, 251-255.	1.6	27
123	NEXAFS studies of the reaction of SO2 with TiO2(100)-(1 Ã— 1) and -(1 Ã— 3). Surface Science, 1996, 366, 519-530.	0.8	27
124	Electronic structure of ensembles of gold nanoparticles: Size and proximity effects. Physical Review B, 2005, 72, .	1.1	27
125	A study of LaCoO3and related materials by X-ray photoelectron spectroscopy. Journal of Physics C: Solid State Physics, 1976, 9, 1991-1998.	1.5	26
126	Electronic structure of Pt overlayers on (1 Ã— 3) reconstructed TiO2(100) surfaces. Surface Science, 1997, 391, 196-203.	0.8	26

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127	Effect of Pd on the interaction of formic acid with TiO2(110). Surface Science, 2000, 459, 303-309.	0.8	26
128	Structure of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>SnO</mml:mi></mml:mrow><mml:mrow><mml:mn>2<stretchy="false">(</mml:mo><mml:mn>110</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (stretchy="false">)</mml:mo><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 693 Td (stretchy="false">)</mml:mo></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math> 0961.	2.9	26
129	ARUPS of water adsorption on Si(100) and Si(111) surfaces. Journal of Physics Condensed Matter, 1989, 1, SB105-SB109.	0.7	25
130	Si(100)2Ã—1-Cl structure from x-ray-absorption spectroscopy. Physical Review B, 1993, 48, 2275-2281.	1.1	25
131	Oxidation State Imaging of Ceria Island Growth on Re(0001). Journal of Physical Chemistry C, 2013, 117, 16509-16514.	1.5	25
132	Diffusion Barriers Block Defect Occupation on Reduced<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>(<mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 527 Td (stretchy="false">)</mml:mo></mml:mrow>	2.9	25
133	Pseudo-intramolecular behaviour of near-edge X-ray absorption fine structure from an atomic adsorbate. Journal of Physics Condensed Matter, 1991, 3, 7751-7755.	0.7	24
134	Orientation of benzene and pyridine on ZnO(101Â¯0). Physical Review B, 1993, 48, 14749-14752.	1.1	24
135	Yim, Pang, and Thornton Reply:. Physical Review Letters, 2010, 104, .	2.9	24
136	X-ray and electron beam modification of thiophene overlayers on TiO2(100)1 Ã— 1 and 1 Ã— 3. Surface Science, 1997, 390, 256-260.	0.8	23
137	Bonding of Methyl Phosphonate to TiO₂(110). Journal of Physical Chemistry C, 2010, 114, 16983-16988.	1.5	23
138	Reduction of thin-film ceria on Pt(111) by supported Pd nanoparticles probed with resonant photoemission. Surface Science, 2011, 605, 1062-1066.	0.8	23
139	Electron Beam-Induced Writing of Nanoscale Iron Wires on a Functional Metal Oxide. Journal of Physical Chemistry C, 2013, 117, 17674-17679.	1.5	23
140	Valence-band structure of TiO2 along the Î“î—¸â´î—¸M line. Solid State Communications, 1991, 80, 423-426.	0.9	22
141	Scanning tunnelling microscopy studies of reactions on metal surfaces and model oxide supports. Journal Physics D: Applied Physics, 1997, 30, 741-756.	1.3	22
142	Surface to bulk charge transfer at an alkali metal/metal oxide interface. Surface Science, 2003, 547, L859-L864.	0.8	22
143	MATERIALS SCIENCE: Watching Nanoparticles Grow. Science, 2003, 300, 1378-1379.	6.0	22
144	Magnetic moment in an ultrathin magnetite film. Journal of Applied Physics, 2003, 93, 7960-7962.	1.1	22

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145	Impact of ambient oxygen on the surface structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:msub><mml:mrow><mml:mtext>-Cr</mml:mtext></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2010, 81, .	1.1	22
146	Creating Excess Electrons at the Anatase TiO2(101) Surface. Topics in Catalysis, 2017, 60, 392-400.	1.3	22
147	H2O dissociation by SrTiO3 (100) catalytic step sites. Vacuum, 1988, 38, 405-408.	1.6	21
148	Spin-orbit gap effects on the surface electronic structure of Ag(0 0 1) around Mì„. Solid State Communications, 1988, 67, 163-167.	0.9	21
149	Magnetic properties of ultrathin epitaxial Fe3O4 films on Pt(111). Journal of Magnetism and Magnetic Materials, 2000, 211, 266-270.	1.0	21
150	Parameters controlling the photocatalytic performance of ZnO/Hombikat TiO2 composites. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 228, 1-7.	2.0	21
151	Scanning Tunneling Microscopy and Molecular Dynamics Study of the Li₂TiO₃(001) Surface. Journal of Physical Chemistry C, 2013, 117, 5126-5131.	1.5	21
152	Switch in photocatalytic reaction selectivity: The effect of oxygen partial pressure on carbon-carbon bond dissociation over hydroxylated TiO2(1â€¯1â€¯0) surfaces. Journal of Catalysis, 2018, 363, 117-127.	3.1	21
153	A PSID SEXAFS study of H2O adsorption on Si(100). Surface Science, 1986, 178, 101-109.	0.8	20
154	A highâ€energy spherical grating monochromator for soft x rays at the Daresbury SRS. Review of Scientific Instruments, 1992, 63, 4349-4353.	0.6	20
155	Coverage-dependent azimuthal alignment of SO2 on Ag(110). Surface Science, 1996, 364, L519-L524.	0.8	20
156	Surface x-ray diffraction study of theRh(100)(2Ã—2)â^'Oreconstruction. Physical Review B, 2000, 62, 2113-2117.	1.1	20
157	Noncontact atomic force microscopy imaging of ultrathinAl2O3on NiAl(110). Physical Review B, 2002, 65, .	1.1	20
158	Spectromicroscopy of a Model Waterâ€"Gas Shift Catalyst: Gold Nanoparticles Supported on Ceria. Journal of Physical Chemistry C, 2014, 118, 19194-19204.	1.5	20
159	Direct Visualization of Au Atoms Bound to TiO₂(110) O-Vacancies. Journal of Physical Chemistry C, 2017, 121, 24721-24725.	1.5	20
160	State-Selective Dynamics of TiO₂ Charge-Carrier Trapping and Recombination. Journal of Physical Chemistry Letters, 2019, 10, 5265-5270.	2.1	20
161	A high-resolution angle-resolved photoemission study of relativistic effects on the surface electronic structure of Cu(001). Surface Science, 1986, 178, 300-310.	0.8	19
162	The involvement of step and terrace sites in H2O adsorption on SrTiO3(100). Physica Scripta, 1987, 36, 711-714.	1.2	19

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