Andreas Stierle

List of Publications by Year in Descending Order

156 papers	3,916 citations	34 h-index	56 g-index
170 ext. papers	4,299 ext. citations	5.7 avg, IF	4.99 L-index

#	Paper	IF	Citations
156	Controlled Growth of Gold Nanoparticles on Covellite Copper Sulfide Nanoplatelets for the Formation of PlateSatellite Hybrid Structures. *Chemistry of Materials*, **2022**, 34, 1157-1166	9.6	3
155	Electrochemical oxidation of Pt(111) beyond the place-exchange model. *Electrochimica Acta*, **2022**, 407, 139881	6.7	3
154	Electron spin resonance in a proximity-coupled MoS2/graphene van der Waals heterostructure. *AIP Advances*, **2022**, 12, 035111	1.5	
153	Grain boundary segregation and carbide precipitation in heat treated niobium superconducting radio frequency cavities. *Applied Physics Letters*, **2021**, 119, 194102	3.4	0
152	Hydrogen Solubility and Atomic Structure of Graphene Supported Pd Nanoclusters. *ACS Nano*, **2021**, 15, 15771-15780	16.7	2
151	Copper Nanoparticles with High Index Facets on Basal and Vicinal ZnO Surfaces. *Journal of Physical Chemistry C*, **2021**, 125, 23561-23569	3.8	0
150	Carbon Embedding of Pt Cluster Superlattices Templated by Hexagonal Boron Nitride on Ir(111). *Journal of Physical Chemistry C*, **2021**, 125, 23435-23444	3.8	0
149	High energy surface x-ray diffraction applied to model catalyst surfaces at work. *Journal of Physics Condensed Matter*, **2021**, 33, 073001	1.8	4
148	X-ray-Based Techniques to Study the Nano-Bio Interface. *ACS Nano*, **2021**, 15, 3754-3807	16.7	18
147	Heterogeneous Adsorption and Local Ordering of Formate on a Magnetite Surface. *Journal of Physical Chemistry Letters*, **2021**, 12, 3847-3852	6.4	2
146	Durability of Colloidally Stabilized Supported Nickel and Nickel Platinum Nanoparticles during Redox-Cycling. *Journal of Physical Chemistry C*, **2021**, 125, 8224-8235	3.8	1
145	Temperature-dependent near-surface interstitial segregation in niobium. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	2
144	A model study on controlling dealloying corrosion attack by lateral modification of surfactant inhibitors. *Npj Materials Degradation*, **2021**, 5,	5.7	5
143	Role of hydroxylation for the atomic structure of a non-polar vicinal zinc oxide. *Communications Chemistry*, **2021**, 4,	6.3	2
142	Metastability of palladium carbide nanoparticles during hydrogen release from liquid organic hydrogen carriers. *Physical Chemistry Chemical Physics*, **2021**, 23, 1371-1380	3.6	1
141	Revisiting Optical Reflectance from Au(111) Electrode Surfaces with Combined High-Energy Surface X-ray Diffraction. *Journal of the Electrochemical Society*, **2021**, 168, 096511	3.9	2
140	Single alloy nanoparticle x-ray imaging during a catalytic reaction. *Science Advances*, **2021**, 7, eabh0757	14.3	1

139	Elucidating the Defect-Induced Changes in the Photocatalytic Activity of TiO2. *Journal of Physical Chemistry C*, **2020**, 124, 12539-12547	3.8	12
138	Function Follows Form: From Semiconducting to Metallic toward Superconducting PbS Nanowires by Faceting the Crystal. *Advanced Functional Materials*, **2020**, 30, 1910503	15.6	3
137	Order-disorder phase transition of the subsurface cation vacancy reconstruction on FeO(001). *Physical Chemistry Chemical Physics*, **2020**, 22, 8336-8343	3.6	5
136	Lateral variation of the native passive film on super duplex stainless steel resolved by synchrotron hard X-ray photoelectron emission microscopy. *Corrosion Science*, **2020**, 174, 108841	6.8	9
135	Atomic scale step structure and orientation of a curved surface ZnO single crystal. *Journal of Chemical Physics*, **2020**, 152, 074705	3.9	3
134	Nitrogen infusion R&D at DESY a case study on cavity cut-outs. *Superconductor Science and Technology*, **2020**, 33, 115017	3.1	3
133	studies of the cathodic stability of single-crystalline IrO(110) ultrathin films supported on RuO(110)/Ru(0001) in an acidic environment. *Physical Chemistry Chemical Physics*, **2020**, 22, 22956-22962	3.6	1
132	Ultrafast Real-Time Dynamics of CO Oxidation over an Oxide Photocatalyst. *ACS Catalysis*, **2020**, 10, 13650-13658	13.1	38
131	Extraordinary Stability of IrO(110) Ultrathin Films Supported on TiO(110) under Cathodic Polarization. *Journal of Physical Chemistry Letters*, **2020**, 11, 9057-9062	6.4	4
130	Understanding electrochemical switchability of perovskite-type exsolution catalysts. *Nature Communications*, **2020**, 11, 4801	17.4	13
129	A versatile nanoreactor for complementary in situ X-ray and electron microscopy studies in catalysis and materials science. *Journal of Synchrotron Radiation*, **2019**, 26, 1769-1781	2.4	12
128	Growth of well-ordered iron sulfide thin films. *Physical Chemistry Chemical Physics*, **2019**, 21, 20204-20210	3.6	2
127	Elasticity of Cross-Linked Titania Nanocrystal Assemblies Probed by AFM-Bulge Tests. *Nanomaterials*, **2019**, 9,	5.4	4
126	Characterization of Native Oxide and Passive Film on Austenite/Ferrite Phases of Duplex Stainless Steel Using Synchrotron HAXPEEM. *Journal of the Electrochemical Society*, **2019**, 166, C3336-C3340	3.9	9
125	Potential-Induced Pitting Corrosion of an IrO2(110)-RuO2(110)/Ru(0001) Model Electrode under Oxygen Evolution Reaction Conditions. *ACS Catalysis*, **2019**, 9, 6530-6539	13.1	24
124	In Situ Studies of the Electrochemical Reduction of a Supported Ultrathin Single-Crystalline RuO2(110) Layer in an Acidic Environment. *Journal of Physical Chemistry C*, **2019**, 123, 3979-3987	3.8	15
123	Carboxylic acid induced near-surface restructuring of a magnetite surface. *Communications Chemistry*, **2019**, 2,	6.3	9
122	Correlating Nanostructure, Optical and Electronic Properties of Nanogranular Silver Layers during Polymer-Template-Assisted Sputter Deposition. *ACS Applied Materials & Interfaces*, **2019**, 11, 29416-29426	9.5	27

121	Coherent X-ray Imaging of CO-Adsorption-Induced Structural Changes in Pt Nanoparticles: Implications for Catalysis. *ACS Applied Nano Materials*, **2019**, 2, 4818-4824	5.6	13
120	Interaction of Water with Graphene/Ir(111) Studied by Vibrational Spectroscopy. *Langmuir*, **2019**, 35, 11285-11290	4	6
119	Water and Atomic Hydrogen Adsorption on Magnetite (001). *Journal of Physical Chemistry C*, **2019**, 123, 26662-26672	3.8	5
118	Modulating the Mechanical Properties of Supercrystalline Nanocomposite Materials via Solvent-Ligand Interactions. *Langmuir*, **2019**, 35, 13893-13903	4	15
117	Niobium near-surface composition during nitrogen infusion relevant for superconducting radio-frequency cavities. *Physical Review Accelerators and Beams*, **2019**, 22,	1.8	9
116	Gas-Induced Segregation in Pt-Rh Alloy Nanoparticles Observed by In Situ Bragg Coherent Diffraction Imaging. *Physical Review Letters*, **2019**, 123, 246001	7.4	13
115	Nano-scale oxide formation inside electrochemically-formed Pt blisters at a solid electrolyte interface. *Solid State Ionics*, **2019**, 330, 17-23	3.3	6
114	A New Synthesis Approach for Carbon Nitrides: Poly(triazine imide) and Its Photocatalytic Properties. *ACS Omega*, **2018**, 3, 3892-3900	3.9	24
113	High-Performance n- and p-Type Field-Effect Transistors Based on Hybridly Surface-Passivated Colloidal PbS Nanosheets. *Advanced Functional Materials*, **2018**, 28, 1706815	15.6	14
112	Role of Precursor Carbides for Graphene Growth on Ni(111). *Scientific Reports*, **2018**, 8, 2662	4.9	11
111	Monitoring the Interaction of CO with Graphene Supported Ir Clusters by Vibrational Spectroscopy and Density Functional Theory Calculations. *Journal of Physical Chemistry C*, **2018**, 122, 4281-4289	3.8	8
110	Surface characterization of nitrogen-doped Nb (100) large-grain superconducting RF cavity material. *Journal of Materials Science*, **2018**, 53, 10411-10422	4.3	5
109	Identification of a Catalytically Highly Active Surface Phase for CO Oxidation over PtRh Nanoparticles under Operando Reaction Conditions. *Physical Review Letters*, **2018**, 120, 126101	7.4	19
108	Toward Optimization of Centrifugal Barrel Polishing Procedure for Treatment of Niobium Cavities. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-5	1.8	1
107	Dehydrogenation of Liquid Organic Hydrogen Carriers on Supported Pd Model Catalysts: Carbon Incorporation Under Operation Conditions. *Catalysis Letters*, **2018**, 148, 2901-2910	2.8	4
106	Hard X-ray Resonant Ptychography for Chemical Imaging at the Sensitivity Limit. *Microscopy and Microanalysis*, **2018**, 24, 28-29	0.5	1
105	Faceting of local droplet-etched nanoholes in AlGaAs. *Physical Review Materials*, **2018**, 2,	3.2	2
104	Adsorption of Acetone on Rutile TiO2: A DFT and FTIRS Study. *Journal of Physical Chemistry C*, **2018**, 122, 19481-19490	3.8	15

103	Structure and Oxidation Behavior of Nickel Nanoparticles Supported by YSZ(111). *Journal of Physical Chemistry C*, **2017**, 121, 2798-2806	3.8	12
102	The influence of incommensurability on the long-range periodicity of the Pd(100)-(5□)R27°-PdO(101). *Surface Science*, **2017**, 660, 1-8	1.8	8
101	Surface-Sensitive X-ray Diffraction Across the Pressure Gap. *Springer Series in Chemical Physics*, **2017**, 59-87	0.3	5
100	Model Catalytic Studies of Novel Liquid Organic Hydrogen Carriers: Indole, Indoline and Octahydroindole on Pt(111). *Chemistry - A European Journal*, **2017**, 23, 14806-14818	4.8	18
99	High-energy x-ray diffraction from surfaces and nanoparticles. *Physical Review B*, **2017**, 96,	3.3	15
98	Non-uniform nanosecond gate-delay of hybrid pixel□detectors. *Journal of Synchrotron Radiation*, **2017**, 24, 1082-1085	2.4	2
97	Atomic structure of Pt nanoclusters supported by graphene/Ir(111) and reversible transformation under CO exposure. *Physical Review B*, **2016**, 93,	3.3	20
96	Atomic structure and stability of magnetite Fe3O4(001): An X-ray view. *Surface Science*, **2016**, 653, 76-81	1.8	30
95	Structure and stability of Gd-doped CeO2 thin films on yttria-stabilized zirconia. *Thin Solid Films*, **2016**, 603, 56-61	2.2	18
94	Organically linked iron oxide nanoparticle supercrystals with exceptional isotropic mechanical□properties. *Nature Materials*, **2016**, 15, 522-8	27	103
93	Single orientation graphene synthesized on iridium thin films grown by molecular beam epitaxy. *Journal of Applied Physics*, **2016**, 120, 075304	2.5	6
92	Tracking the shape-dependent sintering of platinum-rhodium model catalysts under operando conditions. *Nature Communications*, **2016**, 7, 10964	17.4	37
91	Nanosecond laser pulse heating of a platinum surface studied by pump-probe X-ray diffraction. *Applied Physics Letters*, **2016**, 109, 043107	3.4	7
90	Operando X-ray Investigation of Electrode/Electrolyte Interfaces in Model Solid Oxide Fuel Cells. *Chemistry of Materials*, **2016**, 28, 3727-3733	9.6	9
89	Adsorption of Formic Acid on the Fe3O4(001) Surface. *Journal of Physical Chemistry C*, **2015**, 119, 20459-20465	3.8	40
88	Transient Structures of PdO during CO Oxidation over Pd(100). *Journal of Physical Chemistry C*, **2015**, 119, 15469-15476	3.8	35
87	SXNS13: Surface X-ray and Neutron Scattering Conference in Hamburg. *Synchrotron Radiation News* , **2015**, 28, 9-10	0.6	2
86	Correlation between stoichiometry and surface structure of the polar MgAl2O4(100) surface as a function of annealing temperature. *Physical Chemistry Chemical Physics*, **2015**, 17, 5795-804	3.6	7

85	High-energy surface X-ray diffraction for fast surface structure determination. *Science*, **2014**, 343, 758-61	33.3	122
84	In situ oxidation study of Pd-Rh nanoparticles on MgAl2O4(001). *Physical Chemistry Chemical Physics*, **2014**, 16, 13866-74	3.6	19
83	Quantitative surface structure determination using in situ high-energy SXRD: Surface oxide formation on Pd(100) during catalytic CO oxidation. *Surface Science*, **2014**, 630, 229-235	1.8	26
82	Surface-Sensitive X-Ray Diffraction Methods **2013**, 221-257		5
81	In Situ Oxidation Study of Pt Nanoparticles on MgO(001). *Journal of Physical Chemistry C*, **2013**, 117, 19955-19966	3.3	66
80	Atomic structure and composition of the yttria-stabilized zirconia (111) surface. *Surface Science*, **2013**, 612, 69-76	1.8	20
79	Atomic structure and crystalline order of graphene-supported ir nanoparticle lattices. *Physical Review Letters*, **2013**, 110, 065503	7.4	43
78	Stability of Surface and Bulk Oxides on Pd(111) Revisited by in Situ X-ray Diffraction. *Journal of Physical Chemistry C*, **2012**, 116, 21459-21464	3.8	17
77	Oxygen interaction with the Pd(112) surface: From chemisorption to bulk oxide formation. *Physical Review B*, **2012**, 86,	3.3	14
76	Polar-discontinuity-retaining A-site intermixing and vacancies at SrTiO3/LaAlO3 interfaces. *Physical Review B*, **2012**, 85,	3.3	44
75	Reversible shape changes of Pd nanoparticles on MgO(100). *Nano Letters*, **2011**, 11, 4697-700	11.5	45
74	Dedicated beamlines for in-situ investigations of materials in reduced dimensions. *International Journal of Materials Research*, **2011**, 102, 913-924	0.5	5
73	High-resolution core-level spectroscopy study of the ultrathin aluminum oxide film on NiAl(110). *Physical Review B*, **2011**, 83,	3.3	19
72	Stable cation inversion at the MgAl2O4(100) surface. *Physical Review Letters*, **2011**, 107, 036102	7.4	42
71	Metastable surface oxide on CoGa(100): Structure and stability. *Physical Review B*, **2010**, 81,	3.3	7
70	Lack of surface oxide layers and facile bulk oxide formation on Pd(110). *Physical Review B*, **2009**, 80,	3.3	34
69	In situx-ray study of the oxidation of a vicinal NiAl(6,7,1) surface. *New Journal of Physics*, **2009**, 11, 113004	4.9	3
68	The 2√2 reconstruction of the rutile TiO2(011) surface: A combined density functional theory, X-ray diffraction, and scanning tunneling microscopy study. *Surface Science*, **2009**, 603, 138-144	1.8	96

67	Initial oxidation of MgO-supported Rh nanoparticles studied by TEM. *Surface Science*, **2009**, 603, 2551-2558	1.8	6
66	Carbon incorporation and deactivation of MgO(0 0 1) supported Pd nanoparticles during CO oxidation. *Catalysis Today*, **2009**, 145, 243-250	5.3	17
65	Oxidation of palladium: from single crystal surfaces towards nanoparticles. *International Journal of Materials Research*, **2009**, 100, 1308-1317	0.5	9
64	X-ray investigation of subsurface interstitial oxygen at Nb/oxide interfaces. *Applied Physics Letters*, **2008**, 92, 101911	3.4	65
63	Materials science. Tracking corrosion cracking. *Science*, **2008**, 321, 349-50	33.3	15
62	Stability and stoichiometry of (polar) oxide surfaces for varying oxygen chemical potential. *Journal of Physics Condensed Matter*, **2008**, 20, 184014	1.8	15
61	Combinatorial high-energy x-ray microbeam study of the size-dependent oxidation of Pd nanoparticles on MgO(100). *Physical Review B*, **2008**, 77,	3.3	48
60	Incommensurate strain-induced ordering of interstitial oxygen in Nb. *Journal of Physics Condensed Matter*, **2008**, 20, 275206	1.8	5
59	Shape changes of supported Rh nanoparticles during oxidation and reduction cycles. *Science*, **2008**, 321, 1654-8	33.3	194
58	Oxidation of Ir(111): From OIrO Trilayer to Bulk Oxide Formation. *Journal of Physical Chemistry C*, **2008**, 112, 11946-11953	3.8	75
57	In situ x-ray diffraction study of the initial dealloying and passivation of Cu3Au(111) during anodic dissolution. *Physical Review B*, **2008**, 77,	3.3	46
56	In situ x-ray study of Fe3Al(110) subsurface superlattice disordering during oxidation. *Physical Review B*, **2008**, 78,	3.3	7
55	Atmospheric pressure oxidation of Pt(111). *Journal of Physics Condensed Matter*, **2008**, 20, 184013	1.8	37
54	In Situ X-Ray Diffraction Study of Ag(100) at Ambient Oxygen Pressures. *Journal of Physical Chemistry C*, **2007**, 111, 10998-11002	3.8	5
53	Oxidation and Reduction of Ultrathin Nanocrystalline Ru Films on Silicon: Model System for Ru-Capped Extreme Ultraviolet Lithography Optics. *Journal of Physical Chemistry C*, **2007**, 111, 10988-10992	3.8	22
52	Stranski-Krastanov like oxide growth on Ag(1 1 1) at atmospheric oxygen pressures. *Surface Science*, **2007**, 601, L19-L23	1.8	19
51	The influence of chloride on the initial anodic dissolution of Cu3Au(111). *Electrochemistry Communications*, **2007**, 9, 1639-1642	5.1	29
50	Real time observation of ultrathin epitaxial oxide growth during alloy oxidation. *New Journal of Physics*, **2007**, 9, 331-331	2.9	8

49	Surface termination of hematite at environmental oxygen pressures: Experimental surface phase diagram. *Physical Review B*, **2007**, 75,	3.3	58
48	Oxidation of Pd(553): From ultrahigh vacuum to atmospheric pressure. *Physical Review B*, **2007**, 76,	3.3	66
47	Crystalline Pr2O3 monolayers on Si(111). *Applied Physics Letters*, **2007**, 90, 062906	3.4	14
46	Novel In Situ Probes for Nanocatalysis. *MRS Bulletin*, **2007**, 32, 1001-1009	3.2	48
45	In situ x-ray study of the □to □Al2O3 phase transformation during atmospheric pressure oxidation of NiAl(110). *Journal of Materials Research*, **2006**, 21, 3047-3057	2.5	14
44	Structure of Ag(111)-p(4 x 4)-O: no silver oxide. *Physical Review Letters*, **2006**, 96, 146102	7.4	126
43	Initial corrosion observed on the atomic scale. *Nature*, **2006**, 439, 707-10	50.4	202
42	Growth of epitaxial Pr2O3 layers on Si(111). *Materials Science in Semiconductor Processing*, **2006**, 9, 1079-1083	1.9	7
41	Combined STM, LEED and DFT study of Ag(100) exposed to oxygen near atmospheric pressures. *Surface Science*, **2006**, 600, 617-624	1.8	27
40	In situ oxidation study of MgO(100) supported Pd nanoparticles. *Surface Science*, **2006**, 600, 2860-2867	1.8	40
39	X-ray-diffraction characterization of Pt(111) surface nanopatterning induced by C60 adsorption. *Nature Materials*, **2005**, 4, 688-92	27	81
38	A surface x-ray study of the structure and morphology of the oxidized Pd001 surface. *Journal of Chemical Physics*, **2005**, 122, 44706	3.9	46
37	Structure of a thin oxide film on Rh(100). *Physical Review B*, **2005**, 71,	3.3	101
36	Kinetic hindrance during the initial oxidation of Pd(100) at ambient pressures. *Physical Review Letters*, **2004**, 92, 046101	7.4	196
35	Dedicated Max-Planck beamline for the in situ investigation of interfaces and thin films. *Review of Scientific Instruments*, **2004**, 75, 5302-5307	1.7	62
34	Tensile testing of ultrathin polycrystalline films: A synchrotron-based technique. *Review of Scientific Instruments*, **2004**, 75, 1110-1119	1.7	71
33	X-ray diffraction study of the ultrathin Al2O3 layer on NiAl110. *Science*, **2004**, 303, 1652-6	33.3	146
32	In situ X-ray analysis of solid/electrolyte interfaces: electrodeposition of Cu and Co on Si(111):H and GaAs(001) and corrosion of Cu3Au(111). *Surface Science*, **2004**, 573, 67-79	1.8	23

31	Surface core level shift observed on NiAl(1 1 0). *Surface Science*, **2003**, 529, L263-L268	1.8	16
30	Morphological evolution of the fivefold surface of iAlPdMn quasicrystals. *Physical Review B*, **2002**, 65,	3.3	6
29	Oxidation of metals investigated byin situsurface sensitive X-ray diffraction. *International Journal of Materials Research*, **2002**, 93, 833-839		3
28	Observation of bulk forbidden defects during the oxidation of NiAl(110). *Physical Review B*, **2001**, 64,	3.3	25
27	Oxidation of NiAl(1 0 0) studied with surface sensitive X-ray diffraction. *Physica B: Condensed Matter*, **2000**, 283, 208-211	2.8	10
26	Characterization of surface morphologies at the AlPdMn fivefold surface. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 294-296, 822-825	5.3	7
25	Surface X-ray diffraction study on the initial oxidation of NiAl(100). *Surface Science*, **2000**, 467, 85-97	1.8	48
24	Hydrogen affinity at Cr/Cr2O3 metal/oxide interfaces studied by the 1H(15N, α12C nuclear resonance reaction. *Vacuum*, **1999**, 52, 291-294	3.7	4
23	X-ray diffraction studies of potassium dihydrogen phosphate (KDP) crystal surfaces. *Journal of Crystal Growth*, **1999**, 205, 202-214	1.6	69
22	Structural investigation of the dynamics of the NiO(111) surface by GIXS. *Surface Science*, **1999**, 433-435, 761-764	1.8	26
21	Temperature and thickness dependent epitaxial relationship of Pd (111) on Cr (110). *Thin Solid Films*, **1998**, 318, 201-203	2.2	7
20	Trace element analysis on Si wafer surfaces by TXRF at the ID32 ESRF undulator beamline. *Journal of Synchrotron Radiation*, **1998**, 5, 1064-6	2.4	18
19	The NiO(111)-(1□1) surface. *Surface Science*, **1998**, 402-404, 757-760	1.8	17
18	Growth of fcc(111) on bcc(110): new type of epitaxial transition observed for Pd on Cr. *Surface Science*, **1998**, 398, 379-385	1.8	20
17	High-resolution x-ray scattering study of platinum thin films on sapphire. *Journal of Physics Condensed Matter*, **1998**, 10, 717-730	1.8	13
16	Structure and defects of epitaxial Cr2O3(0001) overlayers on Cr(110). *Physical Review B*, **1998**, 58, 5062-5069	3.3	26
15	Characterization and Properties of the AlPdMn 5 Surface. *Materials Research Society Symposia Proceedings*, **1998**, 553, 243		4
14	Kinetics of Cr 2 O 3 growth during the oxidation of Cr(110). *Europhysics Letters*, **1997**, 37, 365-370	1.6	25

13	Oxidation of ultrathin Fe(110) layers on Cr(110). *Surface Science*, **1997**, 385, 310-317	1.8	9
12	Oxidation induced roughening during Cr2O3(0001) growth on Cr(110). *Surface Science*, **1997**, 385, 167-177	1.8	16
11	Excitation of an X-ray standing wave in a SmBa2Cu3O7 thin film. *Solid State Communications*, **1997**, 104, 347-350	1.6	17
10	Epitaxial oxide formation on Cr(110) films. *Surface Science*, **1995**, 327, 9-16	1.8	43
9	Structural properties of high-quality sputtered Fe films on Al2O3(1120) and MgO(001) substrates. *Applied Physics A: Solids and Surfaces*, **1994**, 59, 659-665		17
8	Oxidation of epitaxial Fe films monitored by x-ray reflectivity. *Journal of Materials Research*, **1994**, 9, 884-890	2.5	16
7	High resolution x-ray characterization of Co films on Al2O3. *Journal of Applied Physics*, **1993**, 73, 4808-4814	2.5	31
6	Epitaxial growth of Co films and Co/Cu superlattices on sapphire substrates with and without buffer layers. *Journal of Crystal Growth*, **1993**, 127, 682-685	1.6	28
5	Uniaxial magnetic anisotropy of Co films on sapphire. *Journal of Magnetism and Magnetic Materials*, **1993**, 118, 57-64	2.8	27
4	Roughness Characterization of the Surface and Interface of MBE-Grown Thin Films. *Springer Proceedings in Physics*, **1992**, 233-236	0.2	1
3	Optimization of sputtered Co films. *Journal of Magnetism and Magnetic Materials*, **1991**, 102, 223-232	2.8	27
2	DESY NanoLab. *Journal of Large-scale Research Facilities JLSRF*,2,		46
1	Operando Stability Studies of Ultrathin Single-Crystalline IrO2(110) Films under Acidic Oxygen Evolution Reaction Conditions. *ACS Catalysis*,12651-12660	13.1	6