

Matthias Bode

List of Publications by Year in descending order

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184
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184
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184
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6702
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic domain structure of epitaxial Gd films grown on W(110). Physical Review B, 2022, 105, .	1.1	1
2	Molecular Chains: Arranging and Programming Logic Gates. Nano Letters, 2021, 21, 550-555.	4.5	6
3	Anisotropic Ballistic Transport Revealed by Molecular Nanoprobe Experiments. Physical Review Letters, 2021, 126, 146601.	2.9	6
4	Comparative growth study of ultrathin Bi films on clean and oxygen-reconstructed Nb(110). Physical Review Materials, 2021, 5, .	0.9	2
5	Systematic Investigation of the Coupling between One-Dimensional Edge States of a Topological Crystalline Insulator. Physical Review Letters, 2021, 126, 236402.	2.9	5
6	Coupling of Yu-Shiba-Rusinov states in one-dimensional chains of Fe atoms on Nb(110). Physical Review B, 2021, 103, .	1.1	8
7	Anisotropic vortices on superconducting Nb(110). Physical Review B, 2020, 102, .	1.1	12
8	Observation of tunable single-atom Yu-Shiba-Rusinov states. Physical Review B, 2020, 102, .	1.1	28
9	Guiding a Protonâ€™s Controlled Directionality in a Single Molecule. Journal of Physical Chemistry C, 2020, 124, 10727-10732.	1.5	1
10	Dead magnetic layers at the interface: Moment quenching through hybridization and frustration. Physical Review Research, 2020, 2, .	1.3	2
11	Structural and magnetic properties of IrPt_3 transition metal oxide chains on the (001) surfaces of Ir and Pt. Physical Review B, 2019, 100, .	4.1	15
12	On the Impact of Geometrical Factors on Hot Electron-Induced Tautomerization. Journal of Physical Chemistry C, 2019, 123, 17056-17061.	1.5	6
13	Indirect chiral magnetic exchange through Dzyaloshinskiiâ€™Moriya-enhanced RKKY interactions in manganese oxide chains on Ir(100). Nature Communications, 2019, 10, 2610.	5.8	22
14	Preparation and electronic properties of clean superconducting Nb(110) surfaces. Physical Review B, 2019, 99, .	1.1	31
15	Self-Assembly and Electronic Structure of Tribenzotriquinacenes on Ag(111). Journal of Physical Chemistry C, 2019, 123, 5469-5478.	1.5	6
16	Breaking crystalline symmetry of epitaxial SnTe films by strain. Physical Review Materials, 2019, 3, .	0.9	5
17	Analyzing the Wave Nature of Hot Electrons with a Molecular Nanoprobe. Nano Letters, 2018, 18, 2165-2171.	4.5	15
18	Systematics of electronic and magnetic properties in the transition metal doped $\text{Sb}_{1-x}\text{Te}_x$ quantum anomalous Hall platform. Physical Review B, 2018, 97, .	1.2	12

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19	Universal scattering response across the type-II Weyl semimetal phase diagram. <i>Physical Review B</i> , 2018, 97, .	1.1	17
20	Scanning tunneling microscopy and spectroscopy studies of the heavy-electron superconductor TiNi_2Mn_4 . <i>Physical Review B</i> , 2018, 97, .	1.1	4
21	Landau Level Broadening in the Three-Dimensional Topological Insulator Sb_2Te_3 . <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800112.	1.2	1
22	Towards microscopic control of the magnetic exchange coupling at the surface of a topological insulator. <i>JPhys Materials</i> , 2018, 1, 015002.	1.8	18
23	Analyzing the Influence of Substituents on Proton Tautomerization—A Comparison of Tetra- <i>tert</i> -butyl Phthalocyanine Isomers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29633-29639.	1.5	4
24	Jahn-Teller Splitting in Single Adsorbed Molecules Revealed by Isospin-Flip Excitations. <i>Physical Review Letters</i> , 2018, 121, 226402.	2.9	8
25	Reversible magnetic switching of high-spin molecules on a giant Rashba surface. <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	15
26	Magnetic Ground State Stabilized by Three-Site Interactions: FeRh . <i>Physical Review Letters</i> , 2018, 121, 057201.	2.9	38
27	Imprinting Directionality into Proton Transfer Reactions of an Achiral Molecule. <i>ACS Nano</i> , 2018, 12, 8733-8738.	7.3	13
28	Scanning tunneling spectroscopy investigations of superconducting-doped topological insulators: Experimental pitfalls and results. <i>Physical Review B</i> , 2018, 98, .	1.1	5
29	Structural analysis of ultra-thin Pd films on W(110). <i>Surface Science</i> , 2017, 657, 44-50.	0.8	1
30	Impurity screening and stability of Fermi arcs against Coulomb and magnetic scattering in a Weyl mononictide. <i>Physical Review B</i> , 2017, 95, .	1.1	16
31	Parity breaking in a double atomic chain system. <i>Physical Review B</i> , 2017, 96, .	1.1	10
32	Analyzing and Tuning the Energetic Landscape of H_2Pc Tautomerization. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28204-28210.	1.5	30
33	Remote Single-Molecule Switching: Identification and Nanoengineering of Hot Electron-Induced Tautomerization. <i>Nano Letters</i> , 2017, 17, 5106-5112.	4.5	28
34	Experimental Realization of a Topological π Junction by Intrinsic Defect Grading. <i>Advanced Materials</i> , 2016, 28, 2183-2188.	11.1	40
35	Morphological and magnetic analysis of Fe nanostructures on W(110) by using scanning tunneling microscopy and Lorentz microscopy. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 02BC11.	0.8	1
36	Coexistence of charge and ferromagnetic order in fcc Fe. <i>Nature Communications</i> , 2016, 7, 10949.	5.8	10

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37	Robust spin-polarized midgap states at step edges of topological crystalline insulators. <i>Science</i> , 2016, 354, 1269-1273.	6.0	91
38	Mapping the effect of defect-induced strain disorder on the Dirac states of topological insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	10
39	Single Electron Gating of Topological Insulators. <i>Advanced Materials</i> , 2016, 28, 10073-10078.	11.1	7
40	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	12
41	Breaking Degeneracy of Tautomerizationâ€™Metastability from Days to Seconds. <i>ACS Nano</i> , 2016, 10, 11058-11065.	7.3	31
42	Visualizing anisotropic propagation of stripe domain walls in staircaselike transitions of IrTe_2 . <i>Physical Review B</i> , 2016, 94, .	1.1	9
43	Energetic and Spatial Mapping of Resonant Electronic Excitations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13843-13849.	1.5	7
44	Dual nature of magnetic dopants and competing trends in topological insulators. <i>Nature Communications</i> , 2016, 7, 12027.	5.8	67
45	Scattering properties of the three-dimensional topological insulator Sb_2Te_3 . Coexistence of topologically trivial and nontrivial surface states with opposite spin-momentum helicity. <i>Physical Review B</i> , 2016, 93, .	1.1	9
46	Thermal properties of a spin spiral: Manganese on tungsten(110). <i>Physical Review B</i> , 2015, 91, .	1.1	15
47	Termination-dependent surface properties in the giant-Rashba semiconductors BiTeX .	1.1	21
48	Growth and magnetic domain structure of ultrathin Fe films on Rh(001). <i>Physical Review B</i> , 2015, 91, .	1.1	9
49	State identification and tunable Kondo effect of MnPc on Ag(001). <i>Physical Review B</i> , 2015, 91, .	1.1	26
50	Systematics of Molecular Self-Assembled Networks at Topological Insulators Surfaces. <i>Nano Letters</i> , 2015, 15, 2442-2447.	4.5	35
51	Direct observation of many-body charge density oscillations in a two-dimensional electron gas. <i>Nature Communications</i> , 2015, 6, 8691.	5.8	12
52	A combined experimental and theoretical study of Rashba-split surface states on the $\sqrt{3} \times \sqrt{3}$ Ag_2S_2 surface. <i>Physical Review B</i> , 2014, 90, .	1.1	15
53	Structural analysis of the intermetallic surface compound CePtPt . <i>Physical Review B</i> , 2014, 90, .	1.1	15
54	Quasiparticle interference scattering of spin-polarized Shockley-like surface state electrons: Ni(111). <i>Physical Review B</i> , 2014, 89, .	1.1	2

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55	Signatures of Dirac fermion-mediated magnetic order. Nature Communications, 2014, 5, 5349.	5.8	67
56	Defect and structural imperfection effects on the electronic properties of BiTeI surfaces. New Journal of Physics, 2014, 16, 075013.	1.2	23
57	Probing the Electronic Properties of Individual MnPc Molecules Coupled to Topological States. Nano Letters, 2014, 14, 5092-5096.	4.5	35
58	Relevance of Hybridization and Filling of 3d Orbitals for the Kondo Effect in Transition Metal Phthalocyanines. Nano Letters, 2014, 14, 3895-3902.	4.5	53
59	Visualizing spin-dependent bulk scattering and breakdown of the linear dispersion relation in Bi ₂ Te ₃ . Physical Review B, 2013, 88, .	1.1	34
60	Hysteretic Melting Transition of a Soliton Lattice in a Commensurate Charge Modulation. Physical Review Letters, 2013, 111, 266401.	2.9	46
61	Observation of a spin-density wave node on antiferromagnetic Cr(110) islands. Physical Review B, 2013, 87, .	1.1	8
62	Quantum Interference Mapping of Rashba-Split Bloch States in BiAg. Physical Review Letters, 2013, 111, 266401.	2.9	42
63	Spin-Polarized Scanning Tunneling Microscopy: Breakthroughs and Highlights. Chimia, 2012, 66, 56.	0.3	2
64	Comparison between bulk and nanoscale copper-silicide: Experimental studies on the crystallography, chemical, and oxidation of copper-silicide nanowires on Si(001). Journal of Applied Physics, 2012, 111, .	1.1	11
65	Self assembled bimetallic Ag/Cu-Si nanowires on Si(001) synthesized with e-beam evaporation. , 2012, , .		1
66	Imaging physical phenomena with local probes: From electrons to photons. Reviews of Modern Physics, 2012, 84, 1343-1381.	16.4	76
67	Combining scanning tunneling microscopy and synchrotron radiation for high-resolution imaging and spectroscopy with chemical, electronic, and magnetic contrast. Ultramicroscopy, 2012, 112, 22-31.	0.8	35
68	High resolution analysis of self assembled Cu nanowires on vicinal Si(001). , 2011, , .		4
69	Temperature Dependence of Metal-Organic Heteroepitaxy. Langmuir, 2011, 27, 14267-14271.	1.6	11
70	Surface interactions of molecular C60 and impact on Ni(100) and Co(0001) film growth: A scanning tunneling microscopy study. Surface Science, 2011, 605, 72-80.	0.8	8
71	Ultrathin BaTiO ₃ templates for multiferroic nanostructures. New Journal of Physics, 2011, 13, 083037.	1.2	13
72	Monolayer and bilayer pentacene on Cu(111). Physical Review B, 2011, 84, .	1.1	39

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73	Self assembled Cu nanowires on vicinal Si(001) by the E-beam evaporation method. , 2011, , .		5
74	Response to "Comment on "Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces" [Appl. Phys. Lett. 98, 256102 (2011)]. Applied Physics Letters, 2011, 98, .	1.5	0
75	Island-assisted interface alloying and magnetic polarization at submonolayer V/Cr(001) interfaces. Physical Review B, 2010, 82, .	1.1	3
76	Polarization-Modulated Rectification at Ferroelectric Surfaces. Physical Review Letters, 2010, 104, 217601.	2.9	62
77	Nanoscale spin structures dominated by magnetoelastic interactions around dislocation cores as seen via spin-polarized STM. Physical Review B, 2009, 80, .	1.1	6
78	Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces. Applied Physics Letters, 2009, 95, .	1.5	16
79	Magnetization Reversal of Nanoscale Islands: How Size and Shape Affect the Arrhenius Prefactor. Physical Review Letters, 2009, 103, 127202.	2.9	89
80	Temperature and Size Dependence of Antiferromagnetism in Mn Nanostructures. Physical Review Letters, 2009, 103, 167201.	2.9	16
81	Nanometer-Scale Striped Surface Terminations on Fractured SrTiO ₃ Surfaces. ACS Nano, 2009, 3, 4132-4136.	7.3	40
82	Surface scattering effect on the electrical resistivity of single crystalline silver nanowires self-assembled on vicinal Si (001). Applied Physics Letters, 2009, 95, .	1.5	43
83	Patterning Graphene at the Nanometer Scale via Hydrogen Desorption. Nano Letters, 2009, 9, 4343-4347.	4.5	171
84	Characterization of electron surface scattering in single crystalline metallic nanowires. , 2009, , .		0
85	Atomic-Scale Spin Spiral with a Unique Rotational Sense: Mn Monolayer on W(001). Physical Review Letters, 2008, 101, 027201.	2.9	238
86	Complex magnetic order on the atomic scale revealed by spin-polarized scanning tunnelling microscopy. Philosophical Magazine, 2008, 88, 2627-2642.	0.7	9
87	Structure and magnetism of ultra-thin chromium layers on W(110). New Journal of Physics, 2008, 10, 013005.	1.2	24
88	Electrical Failure Analysis of Au Nanowires. IEEE Nanotechnology Magazine, 2008, 7, 688-692.	1.1	7
89	Surface state vs orbital Kondo resonance at Cr(001): Arguments for a surface state interpretation. Physical Review B, 2008, 77, .	1.1	15
90	Surface and size effects on the electrical properties of Cu nanowires. Journal of Applied Physics, 2008, 104, .	1.1	106

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91	Comment on "Three-Dimensional, Spin-Resolved Structure of Magnetic Vortex and Antivortex States in Patterned Co Films Using Scanning Ion Microscopy with Polarization Analysis" Physical Review Letters, 2008, 100, 029703.	2.9	7
92	Complex magnetism of the Fe monolayer on Ir(111). New Journal of Physics, 2007, 9, 396-396.	1.2	33
93	Co double-layer nanostructures on Pt(111) studied by spin-polarized scanning tunnelling microscopy. Journal Physics D: Applied Physics, 2007, 40, 1306-1311.	1.3	7
94	Spin-polarized scanning tunneling microscopy and spectroscopy of ferromagnetic Dy(0001)/W(110) films. Physical Review B, 2007, 76, .	1.1	27
95	Spin-polarized scanning tunneling microscopy in field emission mode. Applied Physics Letters, 2007, 91, .	1.5	23
96	Chiral magnetic order at surfaces driven by inversion asymmetry. Nature, 2007, 447, 190-193.	13.7	823
97	Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope. Science, 2007, 317, 1537-1540.	6.0	151
98	On the preparation and electronic properties of clean W(110) surfaces. Surface Science, 2007, 601, 3308-3314.	0.8	61
99	Spin-Resolved Electronic Structure of Nanoscale Cobalt Islands on Cu(111). Physical Review Letters, 2006, 96, 237203.	2.9	124
100	Spin-dependent electronic and magnetic properties of Co nanostructures onPt(111)studied by spin-resolved scanning tunneling spectroscopy. Physical Review B, 2006, 74, .	1.1	48
101	Atomic spin structure of antiferromagnetic domain walls. Nature Materials, 2006, 5, 477-481.	13.3	134
102	Coverage-dependent spin reorientation transition temperature of the Fe double-layer on W(110) observed by scanning tunneling microscopy. Journal of Magnetism and Magnetic Materials, 2006, 305, 279-283.	1.0	13
103	Spin-polarized scanning tunneling microscopy through an adsorbate layer: Sulfur-covered Fe/W(110). Surface Science, 2006, 600, L20-L24.	0.8	17
104	Growth of Cr on Ir(111) studied by scanning tunneling microscopy. Surface Science, 2006, 600, 1034-1039.	0.8	4
105	Spin-polarized scanning tunneling spectroscopy of dislocation lines in Fe films on W(110). Journal of Magnetism and Magnetic Materials, 2006, 304, 1-5.	1.0	15
106	Consequences of line defects on the magnetic structure of high anisotropy films: Pinning centers on Dy/W(110). Europhysics Letters, 2006, 76, 637-643.	0.7	15
107	Observation of a Complex Nanoscale Magnetic Structure in a Hexagonal Fe Monolayer. Physical Review Letters, 2006, 96, 167203.	2.9	100
108	Spin-polarized scanning tunneling microscopy: Insight into magnetism from nanostructures to atomic scale spin structures. Microscopy Research and Technique, 2005, 66, 61-71.	1.2	9

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109	Imaging the switching behavior of superparamagnetic nanoislands by spin-polarized scanning tunneling microscopy. <i>Microscopy Research and Technique</i> , 2005, 66, 117-125.	1.2	10
110	Growth and magnetism of Fe on Cr(001): a spin-polarized scanning tunneling spectroscopy and magnetic force microscopy study. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 907-912.	1.1	5
111	Annealing-induced extension of the antiferromagnetic phase in epitaxial terbium metal films. <i>Physical Review B</i> , 2005, 72, .	1.1	8
112	Temperature-dependent scanning tunneling spectroscopy of Cr(001): Orbital Kondo resonance versus surface state. <i>Physical Review B</i> , 2005, 72, .	1.1	24
113	Absence of spin-flip transition at the Cr(001) surface: a combined spin-polarized scanning tunneling microscopy and neutron scattering study. <i>Physical Review B</i> , 2005, 71, .	1.1	27
114	Revealing Antiferromagnetic Order of the Fe Monolayer on W(001): Spin-Polarized Scanning Tunneling Microscopy and First-Principles Calculations. <i>Physical Review Letters</i> , 2005, 94, 087204.	2.9	133
115	Magnetism of iron on tungsten (001) studied by spin-resolved scanning tunneling microscopy and spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	23
116	Spin-Polarized Electron Scattering at Single Oxygen Adsorbates on a Magnetic Surface. <i>Physical Review Letters</i> , 2004, 92, 046801.	2.9	22
117	Thickness dependent magnetization states of Fe islands on W(110): From single domain to vortex and diamond patterns. <i>Applied Physics Letters</i> , 2004, 84, 948-950.	1.5	65
118	Fundamental studies of magnetism down to the atomic scale: present status and future perspectives of spin-polarized scanning tunneling microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2115-2120.	1.0	12
119	Recent advances in spin-polarized scanning tunneling microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 781-785.	1.1	6
120	PHYSICS: The Environment Matters--Even on the Atomic Scale. <i>Science</i> , 2004, 306, 423-425.	6.0	3
121	Shape-Dependent Thermal Switching Behavior of Superparamagnetic Nanoislands. <i>Physical Review Letters</i> , 2004, 92, 067201.	2.9	98
122	Domain Wall Orientation in Magnetic Nanowires. <i>Physical Review Letters</i> , 2004, 92, 077207.	2.9	68
123	Spin-Polarized Scanning Tunneling Spectroscopy of Nanoscale Cobalt Islands on Cu(111). <i>Physical Review Letters</i> , 2004, 92, 057202.	2.9	184
124	Determining the spin polarization of surfaces by spin-polarized scanning tunneling spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 873-877.	1.1	18
125	Spin-polarized scanning tunnelling microscopy. <i>Reports on Progress in Physics</i> , 2003, 66, 523-582.	8.1	376
126	Spin-Orbit induced local band structure variations revealed by scanning tunnelling spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S679-S692.	0.7	14

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127	Spin-polarized scanning tunneling microscopy study of 360° walls in an external magnetic field. <i>Physical Review B</i> , 2003, 67, .	1.1	81
128	Evidence of a topological antiferromagnetic order on ultrathin Cr(001) film surface studied by spin-polarized scanning tunneling spectroscopy. <i>Journal of Applied Physics</i> , 2003, 93, 6575-6577.	1.1	19
129	Correlation of dislocation and domain structure of Cr(001) investigated by spin-polarized scanning tunneling microscopy. <i>Physical Review B</i> , 2003, 67, .	1.1	42
130	Correlation of structural and local electronic and magnetic properties of Fe/Cr(001) studied by spin-polarized scanning tunneling microscopy. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2513-S2531.	0.7	19
131	Magnetization-Direction-Dependent Local Electronic Structure Probed by Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2002, 89, 237205.	2.9	116
132	Structural, electronic, and magnetic properties of a Mn monolayer on W(110). <i>Physical Review B</i> , 2002, 66, .	1.1	45
133	Spin-Polarized Scanning Tunneling Microscopy with Antiferromagnetic Probe Tips. <i>Physical Review Letters</i> , 2002, 88, 057201.	2.9	240
134	Direct Observation of Internal Spin Structure of Magnetic Vortex Cores. <i>Science</i> , 2002, 298, 577-580.	6.0	841
135	Magnetic properties of the surface studied by spin-polarized scanning tunneling spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 64-69.	1.0	23
136	Spin-resolved spectro-microscopy of magnetic nanowire arrays. <i>Surface Science</i> , 2002, 514, 135-144.	0.8	9
137	Observation of Magnetic Hysteresis at the Nanometer Scale by Spin-Polarized Scanning Tunneling Spectroscopy. <i>Science</i> , 2001, 292, 2053-2056.	6.0	122
138	Spin-polarized scanning tunneling spectroscopy on Fe nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 72, S149-S153.	1.1	10
139	Imaging magnetic nanostructures by spin-polarized scanning tunneling spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 1055-1062.	0.8	18
140	Nano- and atomic-scale magnetism studied by spin-polarized scanning tunneling microscopy and spectroscopy. <i>Solid State Communications</i> , 2001, 119, 341-355.	0.9	61
141	Atomic-Scale Magnetic Domain Walls in Quasi-One-Dimensional Fe Nanostripes. <i>Physical Review Letters</i> , 2001, 87, 127201.	2.9	148
142	Magnetism of nanoscale Fe islands studied by spin-polarized scanning tunneling spectroscopy. <i>Physical Review B</i> , 2001, 63, .	1.1	72
143	Experimental Evidence for Intra-Atomic Noncollinear Magnetism at Thin Film Probe Tips. <i>Physical Review Letters</i> , 2001, 86, 2142-2145.	2.9	38
144	A low-temperature ultrahigh vacuum scanning tunneling microscope with a split-coil magnet and a rotary motion stepper motor for high spatial resolution studies of surface magnetism. <i>Review of Scientific Instruments</i> , 2000, 71, 424-430.	0.6	109

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145	H-induced plastic deformation of Gd thin films studied by STM. <i>Physical Review B</i> , 2000, 61, 9964-9967.	1.1	51
146	Topology-Induced Spin Frustrations at the Cr(001) Surface Studied by Spin-Polarized Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2000, 85, 4606-4609.	2.9	125
147	Real-Space Observation of Dipolar Antiferromagnetism in Magnetic Nanowires by Spin-Polarized Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2000, 84, 5212-5215.	2.9	209
148	Lattice relaxation of Gd on W(110). <i>Surface Science</i> , 2000, 466, 89-96.	0.8	14
149	Real-Space Imaging of Two-Dimensional Antiferromagnetism on the Atomic Scale. <i>Science</i> , 2000, 288, 1805-1808.	6.0	334
150	Recent progress in high-resolution magnetic imaging using scanning probe techniques. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 9387-9402.	0.7	13
151	GdFe ₂ alloy formation studied on the atomic scale by scanning tunneling microscopy. <i>Physical Review B</i> , 1999, 60, 16109-16113.	1.1	7
152	Adsorbates on Gd(0001): A combined scanning tunneling microscopy and photoemission study. <i>Physical Review B</i> , 1999, 59, 8195-8208.	1.1	24
153	Quantitative aspects of spin-polarized scanning tunneling spectroscopy of Gd(0001). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1999, 17, 2228-2232.	0.9	15
154	Temperature-Dependent Exchange Splitting of a Surface State on a Local-Moment Magnet: Tb(0001). <i>Physical Review Letters</i> , 1999, 83, 3017-3020.	2.9	39
155	The adsorption process of hydrogen on Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 63-67.	3.1	4
156	Coadsorption of H and CO on Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 428-432.	3.1	4
157	GdFe ₂ alloy formation observed by STM. <i>Applied Surface Science</i> , 1999, 142, 543-548.	3.1	5
158	New insight into the surface magnetic properties of Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 558-563.	3.1	5
159	PREPARATION OF HIGHLY ORDERED GdFe ₂ ALLOYS. <i>Surface Review and Letters</i> , 1999, 06, 741-745.	0.5	2
160	Growth of thin Mn films on W(110) studied by means of in-situ scanning tunnelling microscopy. <i>Surface Science</i> , 1999, 432, 8-20.	0.8	25
161	SPIN-POLARIZED VACUUM TUNNELING: CORRELATION OF ELECTRONIC AND MAGNETIC PROPERTIES ON THE NANOMETER SCALE. <i>Surface Review and Letters</i> , 1999, 06, 591-597.	0.5	4
162	Vacuum-tunneling magnetoresistance: The role of spin-polarized surface states. <i>Applied Physics Letters</i> , 1999, 75, 124-126.	1.5	26

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163	Magnetic exchange splitting of the Gd(0001) surface state studied by variable-temperature scanning tunneling spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S121-S124.	1.1	50
164	Electronic structure of Gd and Tb on W(110) in the submonolayer coverage regime studied by STM and STS. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S1121-S1123.	1.1	13
165	Temperature-dependent exchange splitting of the magnetic Gd(0001) surface state. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 155-165.	1.0	44
166	Hydrogen adsorption on Gd(0001). <i>Surface Science</i> , 1998, 410, 189-199.	0.8	20
167	Local Electronic Properties in the Presence of Internal and External Magnetic Fields Studied by Variable-Temperature Scanning Tunneling Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 3769-3773.	0.8	7
168	Determination of radial matrix elements and phase shifts in photoemission with a rotatable electric-field vector. <i>Physical Review B</i> , 1998, 58, 9681-9684.	1.1	2
169	Spin-Polarized Vacuum Tunneling into the Exchange-Split Surface State of Gd(0001). <i>Physical Review Letters</i> , 1998, 81, 4256-4259.	2.9	221
170	Prediction of bias-voltage-dependent corrugation reversal for STM images of bcc (110) surfaces: W(110), Ta(110), and Fe(110). <i>Physical Review B</i> , 1998, 58, 16432-16445.	1.1	96
171	Atomic and local electronic structure of Gd thin films studied by STM and STS. <i>Physical Review B</i> , 1997, 56, 3636-3639.	1.1	34
172	An ultrahigh vacuum scanning tunneling microscope for in situ studies of thin-film growth. <i>Review of Scientific Instruments</i> , 1997, 68, 1455-1457.	0.6	10
173	Scanning tunneling spectroscopy of Fe/W(110) using iron covered probe tips. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997, 15, 1285-1290.	0.9	46
174	Magnetic nanostructures studied by scanning probe microscopy and spectroscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1997, 15, 1330.	1.6	17
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