

Matthias Bode

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1203912/publications.pdf>

Version: 2024-02-01

183
papers

8,572
citations

61857

43
h-index

48187

88
g-index

184
all docs

184
docs citations

184
times ranked

6702
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Internal Spin Structure of Magnetic Vortex Cores. <i>Science</i> , 2002, 298, 577-580.	6.0	841
2	Chiral magnetic order at surfaces driven by inversion asymmetry. <i>Nature</i> , 2007, 447, 190-193.	13.7	823
3	Spin-polarized scanning tunnelling microscopy. <i>Reports on Progress in Physics</i> , 2003, 66, 523-582.	8.1	376
4	Real-Space Imaging of Two-Dimensional Antiferromagnetism on the Atomic Scale. <i>Science</i> , 2000, 288, 1805-1808.	6.0	334
5	Spin-Polarized Scanning Tunneling Microscopy with Antiferromagnetic Probe Tips. <i>Physical Review Letters</i> , 2002, 88, 057201.	2.9	240
6	Atomic-Scale Spin Spiral with a Unique Rotational Sense: Mn Monolayer on W(001). <i>Physical Review Letters</i> , 2008, 101, 027201.	2.9	238
7	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
8	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
9	Spin-Polarized Scanning Tunneling Spectroscopy of Nanoscale Cobalt Islands on Cu(111). <i>Physical Review Letters</i> , 2004, 92, 057202.	2.9	184
10	Patterning Graphene at the Nanometer Scale via Hydrogen Desorption. <i>Nano Letters</i> , 2009, 9, 4343-4347.	4.5	171
11	Current-Induced Magnetization Switching with a Spin-Polarized Scanning Tunneling Microscope. <i>Science</i> , 2007, 317, 1537-1540.	6.0	151
12	Atomic-Scale Magnetic Domain Walls in Quasi-One-Dimensional Fe Nanostripes. <i>Physical Review Letters</i> , 2001, 87, 127201.	2.9	148
13	Atomic spin structure of antiferromagnetic domain walls. <i>Nature Materials</i> , 2006, 5, 477-481.	13.3	134
14	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
15	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
16	Spin-Resolved Electronic Structure of Nanoscale Cobalt Islands on Cu(111). <i>Physical Review Letters</i> , 2006, 96, 237203.	2.9	124
17	Observation of Magnetic Hysteresis at the Nanometer Scale by Spin-Polarized Scanning Tunneling Spectroscopy. <i>Science</i> , 2001, 292, 2053-2056.	6.0	122
18	Magnetization-Direction-Dependent Local Electronic Structure Probed by Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2002, 89, 237205.	2.9	116

#	ARTICLE	IF	CITATIONS
19	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. Review of Scientific Instruments, 2000, 71, 424-430.	0.6	109
20	Surface and size effects on the electrical properties of Cu nanowires. Journal of Applied Physics, 2008, 104, .	1.1	106
21	Observation of a Complex Nanoscale Magnetic Structure in a Hexagonal Fe Monolayer. Physical Review Letters, 2006, 96, 167203.	2.9	100
22	Shape-Dependent Thermal Switching Behavior of Superparamagnetic Nanoislands. Physical Review Letters, 2004, 92, 067201.	2.9	98
23	Prediction of bias-voltage-dependent corrugation reversal for STM images of bcc (110) surfaces: W(110), Ta(110), and Fe(110). Physical Review B, 1998, 58, 16432-16445.	1.1	96
24	Robust spin-polarized midgap states at step edges of topological crystalline insulators. Science, 2016, 354, 1269-1273.	6.0	91
25	Magnetization Reversal of Nanoscale Islands: How Size and Shape Affect the Arrhenius Prefactor. Physical Review Letters, 2009, 103, 127202.	2.9	89
26	Spin-polarized scanning tunneling microscopy study of 360° walls in an external magnetic field. Physical Review B, 2003, 67, .	1.1	81
27	Imaging physical phenomena with local probes: From electrons to photons. Reviews of Modern Physics, 2012, 84, 1343-1381.	16.4	76
28	STM study of carbon-induced reconstructions on W(110): strong evidence for a surface lattice deformation. Surface Science, 1995, 344, 185-191.	0.8	73
29	Magnetism of nanoscale Fe islands studied by spin-polarized scanning tunneling spectroscopy. Physical Review B, 2001, 63, .	1.1	72
30	Domain Wall Orientation in Magnetic Nanowires. Physical Review Letters, 2004, 92, 077207.	2.9	68
31	Signatures of Dirac fermion-mediated magnetic order. Nature Communications, 2014, 5, 5349.	5.8	67
32	Dual nature of magnetic dopants and competing trends in topological insulators. Nature Communications, 2016, 7, 12027.	5.8	67
33	Thickness dependent magnetization states of Fe islands on W(110): From single domain to vortex and diamond patterns. Applied Physics Letters, 2004, 84, 948-950.	1.5	65
34	Polarization-Modulated Rectification at Ferroelectric Surfaces. Physical Review Letters, 2010, 104, 217601.	2.9	62
35	Nano- and atomic-scale magnetism studied by spin-polarized scanning tunneling microscopy and spectroscopy. Solid State Communications, 2001, 119, 341-355.	0.9	61
36	On the preparation and electronic properties of clean W(110) surfaces. Surface Science, 2007, 601, 3308-3314.	0.8	61

#	ARTICLE	IF	CITATIONS
37	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
38	H-induced plastic deformation of Gd thin films studied by STM. Physical Review B, 2000, 61, 9964-9967.	1.1	51
39	Magnetic exchange splitting of the Gd(0001) surface state studied by variable-temperature scanning tunneling spectroscopy. Applied Physics A: Materials Science and Processing, 1998, 66, S121-S124.	1.1	50
40	Spin-dependent electronic and magnetic properties of Co nanostructures on Pt(111) studied by spin-resolved scanning tunneling spectroscopy. Physical Review B, 2006, 74, .	1.1	48
41	Scanning tunneling spectroscopy of Fe/W(110) using iron covered probe tips. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 1285-1290.	0.9	46
42	Hysteretic Melting Transition of a Soliton Lattice in a Commensurate Charge Modulation. Physical Review Letters, 2013, 111, 266401.	2.9	46
43	Structural, electronic, and magnetic properties of a Mn monolayer on W(110). Physical Review B, 2002, 66, .	1.1	45
44	Temperature-dependent exchange splitting of the magnetic Gd(0001) surface state. Journal of Magnetism and Magnetic Materials, 1998, 184, 155-165.	1.0	44
45	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
46	Correlation of dislocation and domain structure of Cr(001) investigated by spin-polarized scanning tunneling microscopy. Physical Review B, 2003, 67, .	1.1	42
47	Quantum Interference Mapping of Rashba-Split Bloch States in BiAg . Physical Review Letters, 2018, 121, 076801.	2.9	42
48	Systematics of electronic and magnetic properties in the transition metal doped BiSb quantum anomalous Hall platform. Physical Review B, 2018, 97, .	1.2	40
49	Nanometer-Scale Striped Surface Terminations on Fractured SrTiO_3 Surfaces. ACS Nano, 2009, 3, 4132-4136.	7.3	40
50	Experimental Realization of a Topological π Junction by Intrinsic Defect Grading. Advanced Materials, 2016, 28, 2183-2188.	11.1	40
51	Temperature-Dependent Exchange Splitting of a Surface State on a Local-Moment Magnet: Tb(0001). Physical Review Letters, 1999, 83, 3017-3020.	2.9	39
52	Monolayer and bilayer pentacene on Cu(111). Physical Review B, 2011, 84, .	1.1	39
53	Experimental Evidence for Intra-Atomic Noncollinear Magnetism at Thin Film Probe Tips. Physical Review Letters, 2001, 86, 2142-2145.	2.9	38
54	Magnetic Ground State Stabilized by Three-Site Interactions: FeRh . Physical Review Letters, 2018, 121, 076801.	2.9	38

#	ARTICLE	IF	CITATIONS
55	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
56	Probing the Electronic Properties of Individual MnPc Molecules Coupled to Topological States. Nano Letters, 2014, 14, 5092-5096.	4.5	35
57	Systematics of Molecular Self-Assembled Networks at Topological Insulators Surfaces. Nano Letters, 2015, 15, 2442-2447.	4.5	35
58	Atomic and local electronic structure of Gd thin films studied by STM and STS. Physical Review B, 1997, 56, 3636-3639.	1.1	34
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	Complex magnetism of the Fe monolayer on Ir(111). New Journal of Physics, 2007, 9, 396-396.	1.2	33
61	Breaking Degeneracy of Tautomerization Metastability from Days to Seconds. ACS Nano, 2016, 10, 11058-11065.	7.3	31
62	Preparation and electronic properties of clean superconducting Nb(110) surfaces. Physical Review B, 2019, 99, .	1.1	31
63	Analyzing and Tuning the Energetic Landscape of H ₂ Pc Tautomerization. Journal of Physical Chemistry C, 2017, 121, 28204-28210.	1.5	30
64	Remote Single-Molecule Switching: Identification and Nanoengineering of Hot Electron-Induced Tautomerization. Nano Letters, 2017, 17, 5106-5112.	4.5	28
65	Observation of tunable single-atom Yu-Shiba-Rusinov states. Physical Review B, 2020, 102, .	1.1	28
66	Absence of spin-flip transition at the Cr(001) surface: A combined spin-polarized scanning tunneling microscopy and neutron scattering study. Physical Review B, 2005, 71, .	1.1	27
67	Spin-polarized scanning tunneling microscopy and spectroscopy of ferromagnetic Dy(0001)/W(110) films. Physical Review B, 2007, 76, .	1.1	27
68	Issues of atomic-resolution structure and chemical analysis by scanning probe microscopy and spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 1161-1167.	0.9	26
69	Vacuum-tunneling magnetoresistance: The role of spin-polarized surface states. Applied Physics Letters, 1999, 75, 124-126.	1.5	26
70	State identification and tunable Kondo effect of MnPc on Ag(001). Physical Review B, 2015, 91, .	1.1	26
71	Growth of thin Mn films on W(110) studied by means of in-situ scanning tunnelling microscopy. Surface Science, 1999, 432, 8-20.	0.8	25
72	Adsorbates on Gd(0001): A combined scanning tunneling microscopy and photoemission study. Physical Review B, 1999, 59, 8195-8208.	1.1	24

#	ARTICLE	IF	CITATIONS
73	Temperature-dependent scanning tunneling spectroscopy of Cr(001): Orbital Kondo resonance versus surface state. <i>Physical Review B</i> , 2005, 72, .	1.1	24
74	Structure and magnetism of ultra-thin chromium layers on W(110). <i>New Journal of Physics</i> , 2008, 10, 013005.	1.2	24
75	A combined experimental and theoretical study of Rashba-split surface states on the $(\sqrt{3}\times\sqrt{3})$ BiTe ₂ surface. <i>Physical Review B</i> , 2014, 89, 044407.	1.2	24
76	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
77	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
78	Spin-polarized scanning tunneling microscopy in field emission mode. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	23
79	Defect and structural imperfection effects on the electronic properties of BiTe surfaces. <i>New Journal of Physics</i> , 2014, 16, 075013.	1.2	23
80	Spin-Polarized Electron Scattering at Single Oxygen Adsorbates on a Magnetic Surface. <i>Physical Review Letters</i> , 2004, 92, 046801.	2.9	22
81	Indirect chiral magnetic exchange through Dzyaloshinskii-Moriya-enhanced RKKY interactions in manganese oxide chains on Ir(100). <i>Nature Communications</i> , 2019, 10, 2610.	5.8	22
82	Termination-dependent surface properties in the giant-Rashba semiconductors BiTeX. <i>Physical Review B</i> , 2011, 84, 044407.	1.1	21
83	Hydrogen adsorption on Gd(0001). <i>Surface Science</i> , 1998, 410, 189-199.	0.8	20
84	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
85	Correlation of structural and local electronic and magnetic properties of Fe/Cr(001) studied by spin-polarized scanning tunnelling microscopy. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2513-S2531.	0.7	19
86	STM-study of GdW(110) at submonolayer coverages. <i>Surface Science</i> , 1997, 385, L990-L996.	0.8	18
87	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
88	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
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	Spin-polarized scanning tunneling microscopy through an adsorbate layer: Sulfur-covered Fe/W(110). Surface Science, 2006, 600, L20-L24.	0.8	17
92	Universal scattering response across the type-II Weyl semimetal phase diagram. Physical Review B, 2018, 97, .	1.1	17
93	Controllable local modification of fractured Nb-doped SrTiO ₃ surfaces. Applied Physics Letters, 2009, 95, .	1.5	16
94	Temperature and Size Dependence of Antiferromagnetism in Mn Nanostructures. Physical Review Letters, 2009, 103, 167201.	2.9	16
95	Impurity screening and stability of Fermi arcs against Coulomb and magnetic scattering in a Weyl mononictide. Physical Review B, 2017, 95, .	1.1	16
96	Quantitative aspects of spin-polarized scanning tunneling spectroscopy of Gd(0001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 2228-2232.	0.9	15
97	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
98	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
99	Surface state vs orbital Kondo resonance at Cr(001): Arguments for a surface state interpretation. Physical Review B, 2008, 77, .	1.1	15
100	Structural analysis of the intermetallic surface compound CePt_5 . Physical Review B, 2014, 90, .	1.1	15
101	Thermal properties of a spin spiral: Manganese on tungsten(110). Physical Review B, 2015, 91, .	1.1	15
102	Analyzing the Wave Nature of Hot Electrons with a Molecular Nanoprobe. Nano Letters, 2018, 18, 2165-2171.	4.5	15
103	Reversible magnetic switching of high-spin molecules on a giant Rashba surface. Npj Quantum Materials, 2018, 3, .	1.8	15
104	Lattice relaxation of Gd on W(110). Surface Science, 2000, 466, 89-96.	0.8	14
105	Spin-orbit induced local band structure variations revealed by scanning tunnelling spectroscopy. Journal of Physics Condensed Matter, 2003, 15, S679-S692.	0.7	14
106	Electronic structure of Gd and Tb on W(110) in the submonolayer coverage regime studied by STM and STS. Applied Physics A: Materials Science and Processing, 1998, 66, S1121-S1123.	1.1	13
107	Recent progress in high-resolution magnetic imaging using scanning probe techniques. Journal of Physics Condensed Matter, 1999, 11, 9387-9402.	0.7	13
108	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

#	ARTICLE	IF	CITATIONS
109	Ultrathin BaTiO ₃ templates for multiferroic nanostructures. <i>New Journal of Physics</i> , 2011, 13, 083037.	1.2	13
110	Imprinting Directionality into Proton Transfer Reactions of an Achiral Molecule. <i>ACS Nano</i> , 2018, 12, 8733-8738.	7.3	13
111	Distance-dependent STM-study of the W(110)/C-R(15Å–3) surface. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 101, 103-107.	1.1	12
112	Surface electronic structure of Gd(0001) films on W(110). <i>Applied Physics A: Materials Science and Processing</i> , 1997, 65, 603-606.	1.1	12
113	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
114	Direct observation of many-body charge density oscillations in a two-dimensional electron gas. <i>Nature Communications</i> , 2015, 6, 8691.	5.8	12
115	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	12
116	Anisotropic vortices on superconducting Nb(110). <i>Physical Review B</i> , 2020, 102, .	1.1	12
117	Temperature Dependence of Metal–Organic Heteroepitaxy. <i>Langmuir</i> , 2011, 27, 14267-14271.	1.6	11
118	Comparison between bulk and nanoscale copper-silicide: Experimental studies on the crystallography, chemical, and oxidation of copper-silicide nanowires on Si(001). <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	11
119	Visualizing anisotropic propagation of stripe domain walls in staircaselike transitions of IrTe_2 . <i>Physical Review B</i> , 2016, 94, .		
120	Imaging and tunneling spectroscopy of individual iron adsorbates at room temperature. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1995, 99, 143-144.	1.1	10
121	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
122	Spin-polarized scanning tunneling spectroscopy on Fe nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 72, S149-S153.	1.1	10
123	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
124	Coexistence of charge and ferromagnetic order in fcc Fe. <i>Nature Communications</i> , 2016, 7, 10949.	5.8	10
125	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
126	Parity breaking in a double atomic chain system. <i>Physical Review B</i> , 2017, 96, .	1.1	10

#	ARTICLE	IF	CITATIONS
127	Spin-resolved spectro-microscopy of magnetic nanowire arrays. Surface Science, 2002, 514, 135-144.	0.8	9
128	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
129	Complex magnetic order on the atomic scale revealed by spin-polarized scanning tunnelling microscopy. Philosophical Magazine, 2008, 88, 2627-2642.	0.7	9
130	Growth and magnetic domain structure of ultrathin Fe films on Rh(001). Physical Review B, 2015, 91, .	1.1	9
131	Scattering properties of the three-dimensional topological insulator Sb_2Te_3 : Coexistence of topologically trivial and nontrivial surface states with opposite spin-momentum helicity. Physical Review B, 2016, 93, .	1.1	9
132	Annealing-induced extension of the antiferromagnetic phase in epitaxial terbium metal films. Physical Review B, 2005, 72, .	1.1	8
133	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
134	Observation of a spin-density wave node on antiferromagnetic Cr(110) islands. Physical Review B, 2013, 87, .	1.1	8
135	Jahn-Teller Splitting in Single Adsorbed Molecules Revealed by Isospin-Flip Excitations. Physical Review Letters, 2018, 121, 226402.	2.9	8
136	Coupling of Yu-Shiba-Rusinov states in one-dimensional chains of Fe atoms on Nb(110). Physical Review B, 2021, 103, .	1.1	8
137	Local Electronic Properties in the Presence of Internal and External Magnetic Fields Studied by Variable-Temperature Scanning Tunneling Spectroscopy. Japanese Journal of Applied Physics, 1998, 37, 3769-3773.	0.8	7
138	GdFe ₂ alloy formation studied on the atomic scale by scanning tunneling microscopy. Physical Review B, 1999, 60, 16109-16113.	1.1	7
139	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
140	Electrical Failure Analysis of Au Nanowires. IEEE Nanotechnology Magazine, 2008, 7, 688-692.	1.1	7
141	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
142	Single Electron Gating of Topological Insulators. Advanced Materials, 2016, 28, 10073-10078.	11.1	7
143	Energetic and Spatial Mapping of Resonant Electronic Excitations. Journal of Physical Chemistry C, 2016, 120, 13843-13849.	1.5	7
144	Recent advances in spin-polarized scanning tunneling microscopy. Applied Physics A: Materials Science and Processing, 2004, 78, 781-785.	1.1	6

#	ARTICLE	IF	CITATIONS
145	Nanoscale spin structures dominated by magnetoelastic interactions around dislocation cores as seen via spin-polarized STM. <i>Physical Review B</i> , 2009, 80, .	1.1	6
146	On the Impact of Geometrical Factors on Hot Electron-Induced Tautomerization. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17056-17061.	1.5	6
147	Self-Assembly and Electronic Structure of Tribenzotriquinacenes on Ag(111). <i>Journal of Physical Chemistry C</i> , 2019, 123, 5469-5478.	1.5	6
148	Molecular Chains: Arranging and Programming Logic Gates. <i>Nano Letters</i> , 2021, 21, 550-555.	4.5	6
149	Anisotropic Ballistic Transport Revealed by Molecular Nanoprobe Experiments. <i>Physical Review Letters</i> , 2021, 126, 146601.	2.9	6
150	The role of elastic electron scattering in coincidence spectroscopy of W(100) in back-reflection geometry. <i>Surface Science</i> , 1994, 307-309, 912-916.	0.8	5
151	GdFe ₂ alloy formation observed by STM. <i>Applied Surface Science</i> , 1999, 142, 543-548.	3.1	5
152	New insight into the surface magnetic properties of Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 558-563.	3.1	5
153	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
154	Self assembled Cu nanowires on vicinal Si(001) by the E-beam evaporation method. , 2011, , .		5
155	Scanning tunneling spectroscopy investigations of superconducting-doped topological insulators: Experimental pitfalls and results. <i>Physical Review B</i> , 2018, 98, .	1.1	5
156	Structural and magnetic properties of Ir_3Pt_3 transition metal oxide chains on the (001) surfaces of Ir and Pt. <i>Physical Review B</i> , 2019, 100, .		5
157	Systematic Investigation of the Coupling between One-Dimensional Edge States of a Topological Crystalline Insulator. <i>Physical Review Letters</i> , 2021, 126, 236402.	2.9	5
158	Breaking crystalline symmetry of epitaxial SnTe films by strain. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
159	Fabrication of atomic gratings based on self-organization of adsorbates with repulsive interaction. <i>Applied Physics A: Materials Science and Processing</i> , 1997, 65, 81-83.	1.1	4
160	The adsorption process of hydrogen on Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 63-67.	3.1	4
161	Coadsorption of H and CO on Gd(0001). <i>Applied Surface Science</i> , 1999, 142, 428-432.	3.1	4
162	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

#	ARTICLE	IF	CITATIONS
163	Growth of Cr on Ir(111) studied by scanning tunneling microscopy. Surface Science, 2006, 600, 1034-1039.	0.8	4
164	High resolution analysis of self assembled Cu nanowires on vicinal Si(001). , 2011, , .		4
165	Scanning tunneling microscopy and spectroscopy studies of the heavy-electron superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>TlNi</mml:mi><mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2018, 97, .	1.1	4
166	Analyzing the Influence of Substituents on Proton Tautomerizationâ€”A Comparison of Tetra- <i>tert</i> -butyl Phthalocyanine Isomers. Journal of Physical Chemistry C, 2018, 122, 29633-29639.	1.5	4
167	PHYSICS: The Environment Matters--Even on the Atomic Scale. Science, 2004, 306, 423-425.	6.0	3
168	Island-assisted interface alloying and magnetic polarization at submonolayer V/Cr(001) interfaces. Physical Review B, 2010, 82, .	1.1	3
169	Fabrication of atomic wires based on self-organization. Applied Physics A: Materials Science and Processing, 1996, 63, 303-304.	1.1	2
170	Determination of radial matrix elements and phase shifts in photoemission with a rotatable electric-field vector. Physical Review B, 1998, 58, 9681-9684.	1.1	2
171	PREPARATION OF HIGHLY ORDERED GdFe ₂ ALLOYS. Surface Review and Letters, 1999, 06, 741-745.	0.5	2
172	Spin-Polarized Scanning Tunneling Microscopy: Breakthroughs and Highlights. Chimia, 2012, 66, 56.	0.3	2
173	Quasiparticle interference scattering of spin-polarized Shockley-like surface state electrons: Ni(111). Physical Review B, 2014, 89, .	1.1	2
174	Comparative growth study of ultrathin Bi films on clean and oxygen-reconstructed Nb(110). Physical Review Materials, 2021, 5, .	0.9	2
175	Dead magnetic layers at the interface: Moment quenching through hybridization and frustration. Physical Review Research, 2020, 2, .	1.3	2
176	Self assembled bimetallic Ag/Cu-Si nanowires on Si(001) synthesized with e-beam evaporation. , 2012, , .		1
177	Morphological and magnetic analysis of Fe nanostructures on W(110) by using scanning tunneling microscopy and Lorentz microscopy. Japanese Journal of Applied Physics, 2016, 55, 02BC11.	0.8	1
178	Structural analysis of ultra-thin Pd films on W(110). Surface Science, 2017, 657, 44-50.	0.8	1
179	Landau Level Broadening in the Threeâ€­Dimensional Topological Insulator Sb ₂ Te ₃ . Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800112.	1.2	1
180	Guiding a Protonâ€”Controlled Directionality in a Single Molecule. Journal of Physical Chemistry C, 2020, 124, 10727-10732.	1.5	1

#	ARTICLE	IF	CITATIONS
181	Magnetic domain structure of epitaxial Gd films grown on W(110). Physical Review B, 2022, 105, .	1.1	1
182	Characterization of electron surface scattering in single crystalline metallic nanowires. , 2009, , .		0
183	Response to "Comment on "Controllable local modification of fractured Nb-doped SrTiO3 surfaces"â€™â€• [Appl. Phys. Lett. 98, 256102 (2011)]. Applied Physics Letters, 2011, 98, .	1.5	0