

Harald Brune

List of Publications by Year in descending order

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235
papers

19,360
citations

12303

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all docs

245
docs citations

245
times ranked

12831
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Elimination Reaction on Chiral Metal Surfaces. <i>Advanced Materials</i> , 2022, 34, e2104481.	11.1	9
2	Increasing Magnetic Anisotropy in Bimetallic Nanoislands Grown on fcc(111) Metal Surfaces. <i>Nanomaterials</i> , 2022, 12, 518.	1.9	1
3	Slow Magnetic Relaxation of Dy Adatoms with In-Plane Magnetic Anisotropy on a Two-Dimensional Electron Gas. <i>ACS Nano</i> , 2022, 16, 11182-11193.	7.3	9
4	Asymmetric azide-alkyne Huisgen cycloaddition on chiral metal surfaces. <i>Communications Chemistry</i> , 2021, 4, .	2.0	7
5	Engineering atomic-scale magnetic fields by dysprosium single atom magnets. <i>Nature Communications</i> , 2021, 12, 4179.	5.8	34
6	Correlation between Electronic Configuration and Magnetic Stability in Dysprosium Single Atom Magnets. <i>Nano Letters</i> , 2021, 21, 8266-8273.	4.5	20
7	Mapping Orbital-Resolved Magnetism in Single Lanthanide Atoms. <i>ACS Nano</i> , 2021, 15, 16162-16171.	7.3	7
8	Measuring the Intra-Atomic Exchange Energy in Rare-Earth Adatoms. <i>Physical Review X</i> , 2020, 10, .	2.8	13
9	Near-Enantiopure Trimerization of 9-Ethynylphenanthrene on a Chiral Metal Surface. <i>Angewandte Chemie</i> , 2020, 132, 18336-18340.	1.6	2
10	Molecular motor crossing the frontier of classical to quantum tunneling motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14838-14842.	3.3	33
11	Near-Enantiopure Trimerization of 9-Ethynylphenanthrene on a Chiral Metal Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18179-18183.	7.2	9
12	Unconventional Spin Relaxation Involving Localized Vibrational Modes in Ho Single-Atom Magnets. <i>Physical Review Letters</i> , 2020, 124, 077204.	2.9	33
13	Self-Assembly of Nanoalloys. , 2020, , 451-487.		0
14	Large effect of metal substrate on magnetic anisotropy of Co on hexagonal boron nitride. <i>New Journal of Physics</i> , 2019, 21, 073053.	1.2	10
15	Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. <i>Advanced Science</i> , 2019, 6, 1901736.	5.6	36
16	Upgrade of a low-temperature scanning tunneling microscope for electron-spin resonance. <i>Review of Scientific Instruments</i> , 2019, 90, 013706.	0.6	28
17	Magnetic properties of on-surface synthesized single-ion molecular magnets. <i>RSC Advances</i> , 2019, 9, 34421-34429.	1.7	14
18	Quantum state manipulation of single atom magnets using the hyperfine interaction. <i>Physical Review B</i> , 2019, 100, .	1.1	21

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19	Influence of free charge carrier density on the magnetic behavior of (Zn,Co)O thin film studied by Field Effect modulation of magnetotransport. Scientific Reports, 2019, 9, 149.	1.6	12
20	Optical properties of size selected neutral Ag clusters: electronic shell structures and the surface plasmon resonance. Nanoscale, 2018, 10, 20821-20827.	2.8	41
21	Antiferromagnetic MnNi tips for spin-polarized scanning probe microscopy. Review of Scientific Instruments, 2018, 89, 123706.	0.6	6
22	Spin Excitations in a $4f$ Heterodimer on MgO. Physical Review Letters, 2018, 121, 257202.	2.9	19
23	Assembly of Robust Holmium-Directed 2D Metal-Organic Coordination Complexes and Networks on the Ag(100) Surface. ACS Nano, 2018, 12, 11552-11560.	7.3	13
24	Direct capture and electrostatic repulsion in the self-assembly of rare-earth atom superlattices on graphene. Physical Review B, 2018, 98, .	1.1	24
25	Thermal and Magnetic-Field Stability of Holmium Single-Atom Magnets. Physical Review Letters, 2018, 121, 027201.	2.9	56
26	Magnetic properties of single rare-earth atoms on graphene/Ir(111). Physical Review B, 2018, 98, .	1.1	23
27	Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. ACS Nano, 2017, 11, 1347-1359.	7.3	8
28	Two-Orbital Kondo Screening in a Self-Assembled Metal-Organic Complex. ACS Nano, 2017, 11, 2675-2681.	7.3	15
29	Intense fluorescence of Au ₂₀ . Journal of Chemical Physics, 2017, 147, 074301.	1.2	18
30	Adsorption sites of individual metal atoms on ultrathin MgO(100) films. Physical Review B, 2017, 96, .	1.1	25
31	Occupancy and magnetism of rare-earth atoms adsorbed on metal substrates. Physical Review B, 2017, 96, .	1.1	33
32	Uniaxial 2D Superlattice of Fe ₄ Molecular Magnets on Graphene. Nano Letters, 2017, 17, 7177-7182.	4.5	30
33	Sm cluster superlattice on graphene/Ir(111). New Journal of Physics, 2017, 19, 123021.	1.2	11
34	Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. Advanced Materials, 2016, 28, 5195-5199.	11.1	137
35	Magnetic Hysteresis in Er Trimers on Cu(111). Nano Letters, 2016, 16, 3475-3481.	4.5	28
36	Magnetic remanence in single atoms. Science, 2016, 352, 318-321.	6.0	259

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37	Single-Molecule Magnets: Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator (Adv. Mater. 26/2016). Advanced Materials, 2016, 28, 5142-5142.	11.1	7
38	Magnetoelastic control of magnetism in an artificial multiferroic. Physical Review B, 2016, 94, .	1.1	17
39	Superlattice of Single Atom Magnets on Graphene. Nano Letters, 2016, 16, 7610-7615.	4.5	87
40	Giant apparent lattice distortions in STM images of corrugated sp^2 -hybridised monolayers. New Journal of Physics, 2016, 18, 103027.	1.2	13
41	Complex Magnetic Exchange Coupling between Co Nanostructures and Ni(111) across Epitaxial Graphene. ACS Nano, 2016, 10, 1101-1107.	7.3	27
42	Out-of-Plane Alignment of Er(trensal) Easy Magnetization Axes Using Graphene. ACS Nano, 2016, 10, 2887-2892.	7.3	27
43	Multiplet features and magnetic properties of Fe on Cu(111): From single atoms to small clusters. Physical Review B, 2015, 91, .	1.1	25
44	Interfacial properties of $LaMnO_3$ grown along (001) and (111) orientations. Physical Review B, 2015, 92, .	1.1	15
45	Comparing XMCD and DFT with STM spin excitation spectroscopy for Fe and Co adatoms on $NiCu_2$. Physical Review B, 2015, 92, .	1.1	15
46	Origin of Perpendicular Magnetic Anisotropy and Large Orbital Moment in Fe Atoms on MgO. Physical Review Letters, 2015, 115, 237202.	2.9	99
47	In the wake of collision. Science, 2015, 350, 1321-1321.	6.0	1
48	Reduction of Mn_{19} Coordination Clusters on a Gold Surface. Journal of Physical Chemistry C, 2015, 119, 3550-3555.	1.5	15
49	Surface Aligned Magnetic Moments and Hysteresis of an Endohedral Single-Molecule Magnet on a Metal. Physical Review Letters, 2015, 114, 087201.	2.9	62
50	Controlling the Spin of Co Atoms on Pt(111) by Hydrogen Adsorption. Physical Review Letters, 2015, 114, 106807.	2.9	52
51	Highly Enantioselective Adsorption of Small Prochiral Molecules on a Chiral Intermetallic Compound. Angewandte Chemie - International Edition, 2015, 54, 3902-3906.	7.2	28
52	Restoring the Co Magnetic Moments at Interfacial Co-Porphyrin Arrays by Site-Selective Uptake of Iron. ACS Nano, 2015, 9, 3605-3616.	7.3	17
53	Competing Interactions in the Self-Assembly of NC-Ph ₃ CN Molecules on Cu(111). Journal of Physical Chemistry C, 2015, 119, 25442-25448.	1.5	19
54	Temperature-dependent self-assembly of NC-Ph ₃ CN molecules on Cu(111). Journal of Chemical Physics, 2015, 142, 101928.	1.2	30

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55	Magnetism of Ho and Er Atoms on Close-Packed Metal Surfaces. <i>Physical Review Letters</i> , 2014, 113, 237201.	2.9	55
56	Magnetization reversal mechanism of ramified and compact Co islands on Pt(111). <i>Physical Review B</i> , 2014, 90, .	1.1	5
57	X-ray induced demagnetization of single-molecule magnets. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	34
58	Reaching the magnetic anisotropy limit of a 3 <i>d</i> metal atom. <i>Science</i> , 2014, 344, 988-992.	6.0	311
59	Assessing dystrophies and other muscle diseases at the nanometer scale by atomic force microscopy. <i>Nanomedicine</i> , 2014, 9, 393-406.	1.7	29
60	Tailoring the Magnetism of Co Atoms on Graphene through Substrate Hybridization. <i>Physical Review Letters</i> , 2014, 113, 177201.	2.9	62
61	Resonant-Enhanced Spectroscopy of Molecular Rotations with a Scanning Tunneling Microscope. <i>ACS Nano</i> , 2014, 8, 7099-7105.	7.3	26
62	Interlayer exchange coupling in ordered Fe nanocluster arrays grown on $\text{Al}_2\text{O}_3/\text{Ni}_3\text{C}/\text{Pt}$. <i>Physical Review B</i> , 2014, 89, .	1.1	9
63	Reaction-Induced Cluster Ripening and Initial Size-Dependent Reaction Rates for CO Oxidation on $\text{Pt}_{1n}\text{Ni}_{3-1}/\text{TiO}_2(110)$. <i>Journal of the American Chemical Society</i> , 2014, 136, 8702-8707.	6.6	63
64	Adsorption of Small Hydrocarbons on the Three-Fold PdGa Surfaces: The Road to Selective Hydrogenation. <i>Journal of the American Chemical Society</i> , 2014, 136, 11792-11798.	6.6	90
65	Ensemble Effect Evidenced by CO Adsorption on the 3-Fold PdGa Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12260-12265.	1.5	34
66	Exchange Interaction of Strongly Anisotropic Tripodal Erbium Single-Ion Magnets with Metallic Surfaces. <i>ACS Nano</i> , 2014, 8, 4662-4671.	7.3	37
67	Magnetism and morphology of Co nanocluster superlattices on $\text{GdAu}_2/\text{Au}(111)$. <i>Physical Review B</i> , 2014, 90, .	1.1	9
68	Self-assembly of nanoalloys. , 2013, , 373-405.		2
69	XMCD study of the magnetic exchange coupling in a fluoride-bridged Dy-Cr molecular cluster. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1368-1371.	0.3	6
70	Strain-dependent magnetic configurations in manganite-titanate heterostructures probed with soft X-ray techniques. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	17
71	Quantifying residual hydrogen adsorption in low-temperature STMs. <i>Surface Science</i> , 2013, 615, 80-87.	0.8	34
72	Magnetic Moment and Anisotropy of Individual Co Atoms on Graphene. <i>Physical Review Letters</i> , 2013, 111, 236801.	2.9	116

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73	Low Temperature Ferromagnetism in Chemically Ordered FeRh Nanocrystals. <i>Physical Review Letters</i> , 2013, 110, 087207.	2.9	39
74	Distinction of Nuclear Spin States with the Scanning Tunneling Microscope. <i>Physical Review Letters</i> , 2013, 111, 175303.	2.9	48
75	Formation of Fe Cluster Superlattice in a Metal-Organic Quantum-Box Network. <i>Physical Review Letters</i> , 2013, 110, 086102.	2.9	69
76	Combined ARPES and STM study of Pb/Au(111) Moiré structure: One overlayer, two symmetries. <i>Physical Review B</i> , 2013, 87, .	1.1	13
77	Origin of Interface Magnetism in $\text{BiMnO}_3/\text{LaAlO}_3$. <i>Physical Review Letters</i> , 2013, 111, 087204.	2.9	166
78	Structural and electronic properties of the Bi/Au(110) $\sqrt{3}\times\sqrt{3}$ surface. <i>Physical Review B</i> , 2013, 88, .	1.1	6
79	Atomic and Molecular Magnets on Surfaces. , 2013, , 447-470.		5
80	Optimizing long-range order, band gap, and group velocities for graphene on close-packed metal surfaces. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 314203.	0.7	5
81	Interface-confined mixing and buried partial dislocations for Ag bilayer on Pt(111). <i>Physical Review B</i> , 2012, 86, .	1.1	10
82	X-Treme beamline at SLS: X-ray magnetic circular and linear dichroism at high field and low temperature. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 661-674.	1.0	151
83	Direct observation of a ferri-to-ferromagnetic transition in a fluoride-bridged $3d^4-4f$ molecular cluster. <i>Chemical Science</i> , 2012, 3, 1024-1032.	3.7	78
84	Electronic states of moiré modulated Cu films. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 335502.	0.7	6
85	Isolated Pd Sites on the Intermetallic PdGa(111) and PdGa(111) Model Catalyst Surfaces. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9339-9343.	7.2	47
86	Effect of the TiO_2 Reduction State on the Catalytic CO Oxidation on Deposited Size-Selected Pt Clusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 3445-3450.	6.6	139
87	X-ray Magnetic Circular Dichroism (XMCD) Study of a Methoxide-Bridged $\text{Dy}^{\text{III}}-\text{Cr}^{\text{III}}$ Cluster Obtained by Fluoride Abstraction from $[\text{Cr}^{\text{III}}(\text{F})_2(\text{phen})_2]^+$. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7842-7847.	1.1	24
88	Two Distinct Phases of Bilayer Graphene Films on Ru(0001). <i>ACS Nano</i> , 2012, 6, 9299-9304.	7.3	21
89	Large Band Gap Opening between Graphene Dirac Cones Induced by Na Adsorption onto an Ir Superlattice. <i>ACS Nano</i> , 2012, 6, 199-204.	7.3	76
90	Atomic-scale engineering of magnetic anisotropy of nanostructures through interfaces and interlines. <i>Nature Communications</i> , 2012, 3, 1313.	5.8	50

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91	An Endohedral Single-Molecule Magnet with Long Relaxation Times: DySc ₂ N@C ₈₀ . Journal of the American Chemical Society, 2012, 134, 9840-9843.	6.6	188
92	Ring State for Single Transition Metal Atoms on Boron Nitride on Rh(111). Physical Review Letters, 2012, 109, 066101.	2.9	36
93	Complex Interplay and Hierarchy of Interactions in Two-Dimensional Supramolecular Assemblies. ACS Nano, 2011, 5, 457-469.	7.3	48
94	Overcoming the Strong Metal-Support Interaction State: CO Oxidation on TiO ₂ (110)-Supported Pt Nanoclusters. ACS Catalysis, 2011, 1, 385-389.	5.5	103
95	An experimental setup combining a highly sensitive detector for reaction products with a mass-selected cluster source and a low-temperature STM for advanced nanocatalysis measurements. European Physical Journal D, 2011, 63, 241-249.	0.6	13
96	Self-Assembled Nanometer-Scale Magnetic Networks on Surfaces: Fundamental Interactions and Functional Properties. Advanced Functional Materials, 2011, 21, 1212-1228.	7.8	48
97	Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls. Advanced Functional Materials, 2011, 21, 1230-1240.	7.8	58
98	Surface Chemistry: Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls (Adv. Funct. Mater.)	7.8	60
99	Ag-coverage-dependent symmetry of the electronic states of the Pt(111)-Ag-Bi interface: The ARPES view of a structural transition. Physical Review B, 2011, 84, .	1.1	12
100	Magnetic anisotropy of Fe and Co adatoms and Fe clusters magnetically decoupled from an alumina bilayer. Physical Review B, 2010, 81, .	1.1	19
101	Magnetocrystalline anisotropy energy of Co and Fe adatoms on the (111) surfaces of Pd and Rh. Physical Review B, 2010, 81, .	1.1	82
102	Surface-Confined Metal-Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). Journal of Physical Chemistry C, 2010, 114, 15602-15606.	1.5	44
103	Highly Anisotropic Dirac Cones in Epitaxial Graphene Modulated by an Island Superlattice. Physical Review Letters, 2010, 105, 246803.	2.9	121
104	Magnetic anisotropy of Fe and Co ultrathin films deposited on Rh(111) and Pt(111) substrates: An experimental and first-principles investigation. Physical Review B, 2010, 82, .	1.1	106
105	Nitrogen fixation at passivated Fe nanoclusters supported by an oxide surface: Identification of viable reaction routes using density functional calculations. Physical Review B, 2009, 80, .	1.1	2
106	Thermal dynamics at surfaces. Annalen Der Physik, 2009, 18, 675-698.	0.9	16
107	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. Nature Materials, 2009, 8, 189-193.	13.3	262
108	Stabilization of bimolecular islands on ultrathin NaCl films by a vicinal substrate. Surface Science, 2009, 603, 2294-2299.	0.8	20

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109	High resolution in situ magneto-optic Kerr effect and scanning tunneling microscopy setup with all optical components in UHV. Review of Scientific Instruments, 2009, 80, 023902.	0.6	17
110	Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). Journal of Physical Chemistry C, 2009, 113, 17851-17859.	1.5	66
111	High-Quality 2D Metal-Organic Coordination Network Providing Giant Cavities within Mesoscale Domains. Journal of the American Chemical Society, 2009, 131, 3881-3883.	6.6	134
112	Magnetism of individual atoms adsorbed on surfaces. Surface Science, 2009, 603, 1812-1830.	0.8	108
113	Giant Spin-Polarization and Magnetic Anisotropy of Nanostructures at Surfaces. Springer Proceedings in Physics, 2009, , 123-132.	0.1	1
114	Does the Surface Matter? Hydrogen-Bonded Chain Formation of an Oxalic Amide Derivative in a Two- and Three-Dimensional Environment. ChemPhysChem, 2008, 9, 2522-2530.	1.0	32
115	The role of magnetic anisotropy in the Kondo effect. Nature Physics, 2008, 4, 847-850.	6.5	309
116	Chapter 15 Creating Metal Nanostructures at Metal Surfaces Using Growth Kinetics. Handbook of Surface Science, 2008, , 761-786.	0.3	8
117	Chiral Kagomé Lattice from Simple Ditopic Molecular Bricks. Journal of the American Chemical Society, 2008, 130, 11778-11782.	6.6	184
118	High magnetic moments and anisotropies for Fe on Pt(111). Physical Review B, 2008, 78, .	11.68	68
119	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. Applied Physics Letters, 2008, 93, 243102.	1.5	45
120	Role of Hydrogen in Giant Spin Polarization Observed on Magnetic Nanostructures. Physical Review Letters, 2008, 100, 026806.	2.9	24
121	Chapter 11 Magnetic properties of 2D islands on single-crystal metal surfaces. Chemical Physics of Solid Surfaces, 2007, 12, 427-470.	0.3	1
122	Surface characterization of $\text{Mn}_x\text{Ge}_{1-x}$ and $\text{CrMn}_x\text{Ge}_{1-x}$ dilute magnetic semiconductors. Physical Review B, 2007, 75, .	1.1	32
123	Metal-Organic Honeycomb Nanomeshes with Tunable Cavity Size. Nano Letters, 2007, 7, 3813-3817.	4.5	297
124	Surface-Assisted Assembly of 2D Metal-Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. Angewandte Chemie - International Edition, 2007, 46, 710-713.	7.2	219
125	Self-Assembly of Periodic Bicomponent Wires and Ribbons. Angewandte Chemie - International Edition, 2007, 46, 1814-1818.	7.2	155
126	Conformational Adaptation in Supramolecular Assembly on Surfaces. ChemPhysChem, 2007, 8, 1782-1786.	1.0	41

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127	Probing magnetism at the nanoscale. <i>Nature Nanotechnology</i> , 2007, 2, 674-675.	15.6	3
128	Equilibrium island-size distribution in one dimension. <i>Physical Review B</i> , 2006, 73, .	1.1	39
129	APPLIED PHYSICS: Assembly and Probing of Spin Chains of Finite Size. <i>Science</i> , 2006, 312, 1005-1006.	6.0	21
130	Monitoring Two-Dimensional Coordination Reactions: Directed Assembly of Co ²⁺ Terephthalate Nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 5627-5632.	1.2	74
131	Nucleation of ordered Fe islands on Al ₂ O ₃ /Ni ₃ Al(111). <i>Surface Science</i> , 2006, 600, 1804-1808.	0.8	40
132	Magnetism of Fe clusters and islands on Pt surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 109-112.	1.1	17
133	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. <i>Journal of Chemical Physics</i> , 2006, 125, 184710.	1.2	66
134	Structure and magnetism of atomically thin Fe layers on flat and vicinal Pt surfaces. <i>Physical Review B</i> , 2006, 74, .	1.1	51
135	Thermally activated phenomena in nanoscopic sliding friction. <i>TriboTest Journal: Tribology and Lubrication in Practice</i> , 2006, 12, 169-174.	0.7	0
136	Orbital selective overlayer-substrate hybridization in a Pb monolayer on Ag(111). <i>Physical Review B</i> , 2006, 73, .	1.1	14
137	Giant Spin-Polarization and Magnetic Anisotropy of Nanostructures at Surfaces. <i>E-Journal of Surface Science and Nanotechnology</i> , 2006, 4, 478-483.	0.1	5
138	Magnetic anisotropy from single atoms to large monodomain islands of Co/Pt(111). <i>Comptes Rendus Physique</i> , 2005, 6, 75-87.	0.3	31
139	Mesoscopic Metallosupramolecular Texturing by Hierarchic Assembly. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7294-7297.	7.2	75
140	Uniform Magnetic Properties for an Ultrahigh-Density Lattice of Noninteracting Co Nanostructures. <i>Physical Review Letters</i> , 2005, 95, 157204.	2.9	148
141	High tunnel magnetoresistance in spin-polarized scanning tunneling microscopy of Co nanoparticles on Pt(111). <i>Applied Physics Letters</i> , 2005, 87, 162514.	1.5	32
142	Paramagnetic Mn impurities on Ge and GaAs surfaces. <i>Physical Review B</i> , 2005, 72, .	1.1	28
143	Radial Elasticity of Multiwalled Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 94, 175502.	2.9	212
144	X-ray ferromagnetic resonance spectroscopy. <i>Applied Physics Letters</i> , 2005, 87, 152503.	1.5	42

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145	Oxidation Induced Enhanced Magnetic Susceptibility of Co Islands on Pt(111). Journal of Physical Chemistry B, 2004, 108, 14685-14691.	1.2	22
146	Grating formation in step flow heterogeneous growth and wavelength selection induced by confinement. Surface Science, 2004, 553, L68-L74.	0.8	7
147	The role of surface elasticity in giant corrugations observed by scanning tunneling microscopes. Chemical Physics Letters, 2004, 397, 354-359.	1.2	28
148	STM Study of Terephthalic Acid Self-Assembly on Au(111): Hydrogen-Bonded Sheets on an Inhomogeneous Substrate. Journal of Physical Chemistry B, 2004, 108, 14585-14590.	1.2	173
149	High-Coverage Structures of Carbon Monoxide Adsorbed on Pt(111) Studied by High-Pressure Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2004, 108, 14497-14502.	1.2	144
150	The 2/3 Power Law Dependence of Capillary Force on Normal Load in Nanoscopic Friction. Journal of Physical Chemistry B, 2004, 108, 5324-5328.	1.2	44
151	Magnetic properties of cobalt and cobalt-platinum nanocrystals investigated by magneto-optical Kerr effect. Journal of Applied Physics, 2004, 95, 4251-4260.	1.1	56
152	Electronic surface structure of n-ML Ag/Cu(111) and Cs/n-ML Ag/Cu(111) as investigated by 2PPE and STS. Applied Physics A: Materials Science and Processing, 2004, 78, 183-188.	1.1	30
153	Giant Magnetic Anisotropy of Single Cobalt Atoms and Nanoparticles. Science, 2003, 300, 1130-1133.	6.0	967
154	Shifting strings. Nature Materials, 2003, 2, 778-779.	13.3	5
155	Selective nucleation and controlled growth: quantum dots on metal, insulator and semiconductor surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 311-329.	1.6	13
156	The remarkable difference between surface and step atoms in the magnetic anisotropy of two-dimensional nanostructures. Nature Materials, 2003, 2, 546-551.	13.3	200
157	Thermally activated phenomena observed by atomic force microscopy. Materials Research Society Symposia Proceedings, 2003, 790, 1.	0.1	1
158	Young modulus dependence of nanoscopic friction coefficient in hard coatings. Applied Physics Letters, 2003, 83, 1986-1988.	1.5	68
159	Interaction Potential and Hopping Dynamics Governing Sliding Friction. Physical Review Letters, 2003, 91, 084502.	2.9	322
160	Capture numbers in the presence of repulsive adsorbate interactions. Physical Review B, 2002, 66, .	1.1	58
161	Kinetics of Capillary Condensation in Nanoscopic Sliding Friction. Physical Review Letters, 2002, 88, 185505.	2.9	262
162	Long-range adsorbate interactions mediated by a two-dimensional electron gas. Physical Review B, 2002, 65, .	1.1	261

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163	Time-Dependent Capture Numbers with Repulsive Pair Interactions: Cu/Cu(111) and Ge/Si(001). Materials Research Society Symposia Proceedings, 2002, 749, 1.	0.1	0
164	Stereochemical Effects in Supramolecular Self-Assembly at Surfaces: 1-D versus 2-D Enantiomorphic Ordering for PVBA and PEBA on Ag(111). Journal of the American Chemical Society, 2002, 124, 7991-8000.	6.6	210
165	Imaging of Electron Potential Landscapes on Au(111). Physical Review Letters, 2002, 89, 176801.	2.9	85
166	Two-dimensional electron gas at noble-metal surfaces. Applied Physics A: Materials Science and Processing, 2002, 75, 141-145.	1.1	35
167	Use of scanning capacitance microscopy for controlling wafer processing. Microelectronics Reliability, 2002, 42, 225-231.	0.9	15
168	Identification of Defect Sites on MgO(100) Thin Films by Decoration with Pd Atoms and Studying CO Adsorption Properties. Journal of the American Chemical Society, 2001, 123, 6172-6178.	6.6	108
169	Nanotribology of carbon based thin films: the influence of film structure and surface morphology. Surface Science, 2001, 477, 25-34.	0.8	70
170	Growth Modes. , 2001, , 3683-3692.		10
171	Quantum coherence and lifetimes of surface-state electrons. Journal of Electron Spectroscopy and Related Phenomena, 2000, 109, 33-49.	0.8	32
172	Dynamics of Surface Migration in the Weak Corrugation Regime. Physical Review Letters, 2000, 84, 1732-1735.	2.9	90
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