

Harald Brune

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L-index

#	Paper	IF	Citations
238	Scanning tunneling microscopy observations on the reconstructed Au(111) surface: Atomic structure, long-range superstructure, rotational domains, and surface defects. <i>Physical Review B</i> , 1990 , 42, 9307-9318	3.3	1119
237	Giant magnetic anisotropy of single cobalt atoms and nanoparticles. <i>Science</i> , 2003 , 300, 1130-3	33.3	872
236	Microscopic view of epitaxial metal growth: nucleation and aggregation. <i>Surface Science Reports</i> , 1998 , 31, 125-229	12.9	856
235	Self-organized growth of nanostructure arrays on strain-relief patterns. <i>Nature</i> , 1998 , 394, 451-453	50.4	583
234	Building one- and two-dimensional nanostructures by diffusion-controlled aggregation at surfaces. <i>Nature</i> , 1993 , 366, 141-143	50.4	430
233	Interaction of oxygen with Al(111) studied by scanning tunneling microscopy. <i>Journal of Chemical Physics</i> , 1993 , 99, 2128-2148	3.9	299
232	Metal-organic honeycomb nanomeshes with tunable cavity size. <i>Nano Letters</i> , 2007 , 7, 3813-7	11.5	281
231	Controlled Deposition of Size-Selected Silver Nanoclusters. <i>Science</i> , 1996 , 274, 956-8	33.3	280
230	Interaction potential and hopping dynamics governing sliding friction. <i>Physical Review Letters</i> , 2003 , 91, 084502	7.4	275
229	Surface migration of "hot" adatoms in the course of dissociative chemisorption of oxygen on Al(111). <i>Physical Review Letters</i> , 1992 , 68, 624-626	7.4	275
228	The role of magnetic anisotropy in the Kondo effect. <i>Nature Physics</i> , 2008 , 4, 847-850	16.2	264
227	Effect of strain on surface diffusion and nucleation. <i>Physical Review B</i> , 1995 , 52, 14380-14383	3.3	257
226	Reaching the magnetic anisotropy limit of a 3d metal atom. <i>Science</i> , 2014 , 344, 988-92	33.3	253
225	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , 2009 , 8, 189-93	27	242
224	Long-range adsorbate interactions mediated by a two-dimensional electron gas. <i>Physical Review B</i> , 2002 , 65,	3.3	239
223	Kinetics of capillary condensation in nanoscopic sliding friction. <i>Physical Review Letters</i> , 2002 , 88, 185505	7.4	231
222	Atomic-resolution imaging of close-packed metal surfaces by scanning tunneling microscopy. <i>Physical Review Letters</i> , 1989 , 62, 59-62	7.4	230

221	Mechanism of the transition from fractal to dendritic growth of surface aggregates. <i>Nature</i> , 1994 , 369, 469-471	50.4	223
220	Monolayer-confined mixing at the Ag-Pt(111) interface. <i>Physical Review Letters</i> , 1993 , 71, 2086-2089	7.4	218
219	One-dimensional metal chains on Pt vicinal surfaces. <i>Physical Review B</i> , 2000 , 61, 2254-2262	3.3	212
218	Surface-assisted assembly of 2D metal-organic networks that exhibit unusual threefold coordination symmetry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 710-3	16.4	208
217	Radial elasticity of multiwalled carbon nanotubes. <i>Physical Review Letters</i> , 2005 , 94, 175502	7.4	199
216	Stereochemical effects in supramolecular self-assembly at surfaces: 1-D versus 2-D enantiomorphic ordering for PVBA and PEBA on Ag(111). <i>Journal of the American Chemical Society</i> , 2002 , 124, 7991-8000	16.4	199
215	Nucleation and growth of supported clusters at defect sites: Pd/MgO(001). <i>Physical Review B</i> , 2000 , 61, 11105-11108	3.3	195
214	Magnetic remanence in single atoms. <i>Science</i> , 2016 , 352, 318-21	33.3	193
213	The remarkable difference between surface and step atoms in the magnetic anisotropy of two-dimensional nanostructures. <i>Nature Materials</i> , 2003 , 2, 546-51	27	189
212	Microscopic view of epitaxial metal growth: Nucleation and aggregation. <i>Surface Science Reports</i> , 1998 , 31, 125-229	12.9	180
211	Confinement of Surface State Electrons in Fabry-Pérot Resonators. <i>Physical Review Letters</i> , 1998 , 81, 5370-5373	7.4	177
210	Probing Hot-Electron Dynamics at Surfaces with a Cold Scanning Tunneling Microscope. <i>Physical Review Letters</i> , 1999 , 82, 4516-4519	7.4	175
209	Microscopic view of nucleation on surfaces. <i>Physical Review Letters</i> , 1994 , 73, 1955-1958	7.4	173
208	Strain relief at hexagonal-close-packed interfaces. <i>Physical Review B</i> , 1994 , 49, 2997-3000	3.3	170
207	Chiral kagom lattice from simple ditopic molecular bricks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11778-82	16.4	168
206	STM Study of Terephthalic Acid Self-Assembly on Au(111): Hydrogen-Bonded Sheets on an Inhomogeneous Substrate. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14585-14590	3.4	168
205	Nature, strength, and consequences of indirect adsorbate interactions on metals. <i>Physical Review Letters</i> , 2000 , 85, 1910-3	7.4	167
204	Interlayer mass transport in homoepitaxial and heteroepitaxial metal growth. <i>Physical Review Letters</i> , 1995 , 75, 677-680	7.4	162

203	An endohedral single-molecule magnet with long relaxation times: DySc ₂ N@C ₈₀ . <i>Journal of the American Chemical Society</i> , 2012 , 134, 9840-3	16.4	159
202	Self-assembly of periodic bicomponent wires and ribbons. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1814-8	16.4	150
201	Measuring surface diffusion from nucleation island densities. <i>Physical Review B</i> , 1999 , 60, 5991-6006	3.3	148
200	Uniform magnetic properties for an ultrahigh-density lattice of noninteracting co nanostructures. <i>Physical Review Letters</i> , 2005 , 95, 157204	7.4	139
199	Origin of interface magnetism in BiMnO ₃ /SrTiO ₃ and LaAlO ₃ /SrTiO ₃ heterostructures. <i>Physical Review Letters</i> , 2013 , 111, 087204	7.4	138
198	High-Coverage Structures of Carbon Monoxide Adsorbed on Pt(111) Studied by High-Pressure Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14497-14502	3.4	134
197	High-quality 2D metal-organic coordination network providing giant cavities within mesoscale domains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3881-3	16.4	129
196	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, 3445-50	16.4	125
195	Thermal damping of quantum interference patterns of surface-state electrons. <i>Physical Review B</i> , 1999 , 59, 15926-15934	3.3	123
194	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, 661-74	2.4	113
193	Highly anisotropic Dirac cones in epitaxial graphene modulated by an island superlattice. <i>Physical Review Letters</i> , 2010 , 105, 246803	7.4	109
192	Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , 2016 , 28, 5195-9	24	108
191	Anisotropic corner diffusion as origin for dendritic growth on hexagonal substrates. <i>Surface Science</i> , 1996 , 349, L115-L122	1.8	106
190	Identification of defect sites on MgO(100) thin films by decoration with Pd atoms and studying CO adsorption properties. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6172-8	16.4	100
189	Magnetism of individual atoms adsorbed on surfaces. <i>Surface Science</i> , 2009 , 603, 1812-1830	1.8	98
188	Magnetic moment and anisotropy of individual Co atoms on graphene. <i>Physical Review Letters</i> , 2013 , 111, 236801	7.4	97
187	Diffusion-limited aggregation with active edge diffusion. <i>Physical Review Letters</i> , 1995 , 74, 3217-3220	7.4	96
186	Magnetic anisotropy of Fe and Co ultrathin films deposited on Rh(111) and Pt(111) substrates: An experimental and first-principles investigation. <i>Physical Review B</i> , 2010 , 82,	3.3	93

185	Dynamics of surface migration in the weak corrugation regime. <i>Physical Review Letters</i> , 2000 , 84, 1732-57.4	86
184	Changing morphology of metallic monolayers via temperature controlled heteroepitaxial growth. <i>Surface Science</i> , 1993 , 298, 121-126	1.8 86
183	Overcoming the Strong MetalSupport Interaction State: CO Oxidation on TiO ₂ (110)-Supported Pt Nanoclusters. <i>ACS Catalysis</i> , 2011 , 1, 385-389	13.1 85
182	Initial stages of Cu epitaxy on Ni(100): Postnucleation and a well-defined transition in critical island size. <i>Physical Review B</i> , 1996 , 54, 17858-17865	3.3 83
181	Imaging of electron potential landscapes on Au(111). <i>Physical Review Letters</i> , 2002 , 89, 176801	7.4 81
180	Interaction of oxygen with Al(111) at elevated temperatures. <i>Journal of Chemical Physics</i> , 1998 , 108, 1740-1747	3.9 75
179	Magnetocrystalline anisotropy energy of Co and Fe adatoms on the (111) surfaces of Pd and Rh. <i>Physical Review B</i> , 2010 , 81,	3.3 74
178	Mesoscopic metallosupramolecular texturing by hierarchic assembly. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7294-7	16.4 73
177	Monitoring two-dimensional coordination reactions: directed assembly of co-terephthalate nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5627-32	3.4 72
176	In situ STM observations of the etching of n-Si(111) in NaOH solutions. <i>Surface Science</i> , 1992 , 275, 414-423	72
175	Origin of Perpendicular Magnetic Anisotropy and Large Orbital Moment in Fe Atoms on MgO. <i>Physical Review Letters</i> , 2015 , 115, 237202	7.4 71
174	Direct observation of a ferri-to-ferromagnetic transition in a fluoride-bridged 3d ^{4f} molecular cluster. <i>Chemical Science</i> , 2012 , 3, 1024-1032	9.4 70
173	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, 11792-8	16.4 67
172	Surface-Assisted Assembly of 2D MetalOrganic Networks That Exhibit Unusual Threefold Coordination Symmetry. <i>Angewandte Chemie</i> , 2007 , 119, 724-727	3.6 66
171	Nanotribology of carbon based thin films: the influence of film structure and surface morphology. <i>Surface Science</i> , 2001 , 477, 25-34	1.8 65
170	Formation of Fe cluster superlattice in a metal-organic quantum-box network. <i>Physical Review Letters</i> , 2013 , 110, 086102	7.4 64
169	Young modulus dependence of nanoscopic friction coefficient in hard coatings. <i>Applied Physics Letters</i> , 2003 , 83, 1986-1988	3.4 64
168	Large band gap opening between graphene Dirac cones induced by Na adsorption onto an Ir superlattice. <i>ACS Nano</i> , 2012 , 6, 199-204	16.7 63

167	Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17851-17859	3.8	63
166	High magnetic moments and anisotropies for FeCo _{1-x} monolayers on Pt(111). <i>Physical Review B</i> , 2008 , 78,	3.3	63
165	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	3.9	63
164	Reaction-induced cluster ripening and initial size-dependent reaction rates for CO oxidation on Pt(n)/TiO ₂ (110)-(1 \times 1). <i>Journal of the American Chemical Society</i> , 2014 , 136, 8702-7	16.4	60
163	Nucleation Kinetics on Inhomogeneous Substrates: Al/Au(111). <i>Physical Review Letters</i> , 1999 , 82, 1732-1735	3.5	57
162	Capture numbers in the presence of repulsive adsorbate interactions. <i>Physical Review B</i> , 2002 , 66,	3.3	55
161	Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls. <i>Advanced Functional Materials</i> , 2011 , 21, 1230-1240	15.6	54
160	Superlattice of Single Atom Magnets on Graphene. <i>Nano Letters</i> , 2016 , 16, 7610-7615	11.5	53
159	Noble metal surface states: deviations from parabolic dispersion. <i>Surface Science</i> , 2000 , 447, L157-L161	1.8	53
158	Magnetic properties of cobalt and cobalt-platinum nanocrystals investigated by magneto-optical Kerr effect. <i>Journal of Applied Physics</i> , 2004 , 95, 4251-4260	2.5	52
157	Direct Imaging of Adsorption Sites and Local Electronic Bond Effects on a Metal Surface: C/Al(111). <i>Europhysics Letters</i> , 1990 , 13, 123-128	1.6	52
156	Strain mediated two-dimensional growth kinetics in metal heteroepitaxy: Ag/Pt(111). <i>Surface Science</i> , 1997 , 376, 13-31	1.8	51
155	Tailoring the magnetism of Co atoms on graphene through substrate hybridization. <i>Physical Review Letters</i> , 2014 , 113, 177201	7.4	50
154	Island Shape Transition in Heteroepitaxial Metal Growth on Square Lattices. <i>Physical Review Letters</i> , 1998 , 80, 2642-2645	7.4	50
153	Surface aligned magnetic moments and hysteresis of an endohedral single-molecule magnet on a metal. <i>Physical Review Letters</i> , 2015 , 114, 087201	7.4	49
152	Hard and soft landing of mass selected Ag clusters on Pt(111). <i>Surface Science</i> , 1997 , 377-379, 1051-1055	1.8	48
151	Controlling the spin of co atoms on pt(111) by hydrogen adsorption. <i>Physical Review Letters</i> , 2015 , 114, 106807	7.4	46
150	Magnetism of Ho and Er atoms on close-packed metal surfaces. <i>Physical Review Letters</i> , 2014 , 113, 237201	7.4	46

149	Kinetic processes in metal epitaxy studied with variable temperature STM: Ag/Pt(111). <i>Thin Solid Films</i> , 1995 , 264, 230-235	2.2	46
148	Distinction of nuclear spin states with the scanning tunneling microscope. <i>Physical Review Letters</i> , 2013 , 111, 175303	7.4	44
147	Complex interplay and hierarchy of interactions in two-dimensional supramolecular assemblies. <i>ACS Nano</i> , 2011 , 5, 457-69	16.7	44
146	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , 2008 , 93, 243102	3.4	43
145	Structure and magnetism of atomically thin Fe layers on flat and vicinal Pt surfaces. <i>Physical Review B</i> , 2006 , 74,	3.3	43
144	Atomic-scale engineering of magnetic anisotropy of nanostructures through interfaces and interlines. <i>Nature Communications</i> , 2012 , 3, 1313	17.4	42
143	Self-Assembled Nanometer-Scale Magnetic Networks on Surfaces: Fundamental Interactions and Functional Properties. <i>Advanced Functional Materials</i> , 2011 , 21, 1212-1228	15.6	42
142	Surface-Confined Metal-Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15602-15606	3.8	42
141	Conformational adaptation in supramolecular assembly on surfaces. <i>ChemPhysChem</i> , 2007 , 8, 1782-6	3.2	41
140	Atomic scale characterization of oxygen adsorbates on Al(111) by scanning tunneling microscopy. <i>Applied Physics A: Solids and Surfaces</i> , 1988 , 47, 99-102		41
139	Isolated Pd sites on the intermetallic PdGa(111) and PdGa(111) model catalyst surfaces. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9339-43	16.4	39
138	Nucleation of ordered Fe islands on Al ₂ O ₃ /Ni ₃ Al(1 1 1). <i>Surface Science</i> , 2006 , 600, 1804-1808	1.8	39
137	X-ray ferromagnetic resonance spectroscopy. <i>Applied Physics Letters</i> , 2005 , 87, 152503	3.4	38
136	Equilibrium island-size distribution in one dimension. <i>Physical Review B</i> , 2006 , 73,	3.3	38
135	Reconstructive adsorption of Na on Al(111) studied by scanning tunneling microscopy. <i>Physical Review B</i> , 1995 , 51, 13592-13613	3.3	38
134	Interfacial properties of LaMnO ₃ /LaNiO ₃ superlattices grown along (001) and (111) orientations. <i>Physical Review B</i> , 2015 , 92,	3.3	35
133	Formation of two-dimensional sulfide phases on Al(111): an STM study. <i>Surface Science</i> , 1995 , 324, 91-105	5.8	35
132	Self-organized growth of cluster arrays. <i>European Physical Journal D</i> , 1999 , 9, 25-28	1.3	34

131	Thermal and Magnetic-Field Stability of Holmium Single-Atom Magnets. <i>Physical Review Letters</i> , 2018 , 121, 027201	7.4	33
130	The 2/3 Power Law Dependence of Capillary Force on Normal Load in Nanoscopic Friction. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5324-5328	3.4	33
129	Exchange interaction of strongly anisotropic tripodal erbium single-ion magnets with metallic surfaces. <i>ACS Nano</i> , 2014 , 8, 4662-71	16.7	32
128	Self-Assembly of Periodic Bicomponent Wires and Ribbons. <i>Angewandte Chemie</i> , 2007 , 119, 1846-1850	3.6	32
127	Does the surface matter? Hydrogen-bonded chain formation of an oxalic amide derivative in a two- and three-dimensional environment. <i>ChemPhysChem</i> , 2008 , 9, 2522-30	3.2	32
126	Ring state for single transition metal atoms on boron nitride on Rh(111). <i>Physical Review Letters</i> , 2012 , 109, 066101	7.4	31
125	Two-dimensional electron gas at noble-metal surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 75, 141-145	2.6	31
124	High tunnel magnetoresistance in spin-polarized scanning tunneling microscopy of Co nanoparticles on Pt(111). <i>Applied Physics Letters</i> , 2005 , 87, 162514	3.4	31
123	Ensemble Effect Evidenced by CO Adsorption on the 3-Fold PdGa Surfaces. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12260-12265	3.8	30
122	Quantifying residual hydrogen adsorption in low-temperature STMs. <i>Surface Science</i> , 2013 , 615, 80-87	1.8	30
121	Stability of disk and stripe patterns of nanostructures at surfaces. <i>Surface Science</i> , 1995 , 342, L1131-L1136	3.6	30
120	Temperature-dependent self-assembly of NC-Ph5-CN molecules on Cu(111). <i>Journal of Chemical Physics</i> , 2015 , 142, 101928	3.9	29
119	Low temperature ferromagnetism in chemically ordered FeRh nanocrystals. <i>Physical Review Letters</i> , 2013 , 110, 087207	7.4	29
118	X-ray induced demagnetization of single-molecule magnets. <i>Applied Physics Letters</i> , 2014 , 105, 032411	3.4	29
117	Surface characterization of Mn _x Ge _{1-x} and Cr _y Mn _x Ge _{1-x-y} dilute magnetic semiconductors. <i>Physical Review B</i> , 2007 , 75,	3.3	29
116	Quantum coherence and lifetimes of surface-state electrons. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000 , 109, 33-49	1.7	29
115	Electronic surface structure of n-ML Ag/Cu(111) and Cs/n-ML Ag/Cu(111) as investigated by 2PPE and STS. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 183-188	2.6	28
114	Intermixing and two-dimensional alloy formation in the Na/Au(111) system. <i>Surface Science</i> , 1993 , 292, L769-L774	1.8	28

113	Magnetic anisotropy from single atoms to large monodomain islands of Co/Pt(111). <i>Comptes Rendus Physique</i> , 2005 , 6, 75-87	1.4	27
112	The role of surface elasticity in giant corrugations observed by scanning tunneling microscopes. <i>Chemical Physics Letters</i> , 2004 , 397, 354-359	2.5	26
111	Stress relief via island formation of an isotropically strained bimetallic surface layer: The mesoscopic morphology of the Ag/Pt (111) surface alloy. <i>Physical Review B</i> , 1996 , 54, 13476-13479	3.3	26
110	Paramagnetic Mn impurities on Ge and GaAs surfaces. <i>Physical Review B</i> , 2005 , 72,	3.3	25
109	Dislocation Structures of Submonolayer Films near the Commensurate-Incommensurate Phase Transition: Ag on Pt(111). <i>Physical Review Letters</i> , 1999 , 82, 4488-4491	7.4	25
108	Role of hydrogen in giant spin polarization observed on magnetic nanostructures. <i>Physical Review Letters</i> , 2008 , 100, 026806	7.4	24
107	Complex Magnetic Exchange Coupling between Co Nanostructures and Ni(111) across Epitaxial Graphene. <i>ACS Nano</i> , 2016 , 10, 1101-7	16.7	23
106	Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. <i>Advanced Science</i> , 2019 , 6, 1901736	13.6	23
105	Resonant-enhanced spectroscopy of molecular rotations with a scanning tunneling microscope. <i>ACS Nano</i> , 2014 , 8, 7099-105	16.7	23
104	X-ray magnetic circular dichroism (XMCD) study of a methoxide-bridged Dy(III)-Cr(III) cluster obtained by fluoride abstraction from cis-[Cr(III)F ₂ (phen) ₂](+). <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7842-7	2.8	23
103	Pseudomorphic growth induced by chemical adatom potential. <i>Surface Science</i> , 1997 , 388, L1107-L1114	1.8	23
102	Out-of-Plane Alignment of Er(trensal) Easy Magnetization Axes Using Graphene. <i>ACS Nano</i> , 2016 , 10, 2887-92	16.7	22
101	Oxidation Induced Enhanced Magnetic Susceptibility of Co Islands on Pt(111) <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14685-14691	3.4	22
100	Assessing dystrophies and other muscle diseases at the nanometer scale by atomic force microscopy. <i>Nanomedicine</i> , 2014 , 9, 393-406	5.6	21
99	4f occupancy and magnetism of rare-earth atoms adsorbed on metal substrates. <i>Physical Review B</i> , 2017 , 96,	3.3	21
98	Optical properties of size selected neutral Ag clusters: electronic shell structures and the surface plasmon resonance. <i>Nanoscale</i> , 2018 , 10, 20821-20827	7.7	21
97	Uniaxial 2D Superlattice of Fe Molecular Magnets on Graphene. <i>Nano Letters</i> , 2017 , 17, 7177-7182	11.5	20
96	Multiplet features and magnetic properties of Fe on Cu(111): From single atoms to small clusters. <i>Physical Review B</i> , 2015 , 91,	3.3	20

95	Applied physics. Assembly and probing of spin chains of finite size. <i>Science</i> , 2006 , 312, 1005-6	33.3	20
94	Aggregation of fractal and endritic Ag clusters on a Pt(111) surface. <i>Applied Physics A: Materials Science and Processing</i> , 1995 , 60, 167-171	2.6	20
93	Magnetic Hysteresis in Er Trimers on Cu(111). <i>Nano Letters</i> , 2016 , 16, 3475-81	11.5	20
92	Upgrade of a low-temperature scanning tunneling microscope for electron-spin resonance. <i>Review of Scientific Instruments</i> , 2019 , 90, 013706	1.7	19
91	Magnetic anisotropy of Fe and Co adatoms and Fe clusters magnetically decoupled from Ni ₃ Al(111) by an alumina bilayer. <i>Physical Review B</i> , 2010 , 81,	3.3	19
90	Two distinct phases of bilayer graphene films on Ru(0001). <i>ACS Nano</i> , 2012 , 6, 9299-304	16.7	18
89	Stabilization of bimolecular islands on ultrathin NaCl films by a vicinal substrate. <i>Surface Science</i> , 2009 , 603, 2294-2299	1.8	18
88	Highly enantioselective adsorption of small prochiral molecules on a chiral intermetallic compound. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3902-6	16.4	17
87	Restoring the Co magnetic moments at interfacial Co-porphyrin arrays by site-selective uptake of iron. <i>ACS Nano</i> , 2015 , 9, 3605-16	16.7	17
86	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	11.5	17
85	Competing Interactions in the Self-Assembly of NC-Ph ₃ -CN Molecules on Cu(111). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25442-25448	3.8	16
84	Strain-dependent magnetic configurations in manganite-titanate heterostructures probed with soft X-ray techniques. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	16
83	Thermal dynamics at surfaces. <i>Annalen Der Physik</i> , 2009 , 18, 675-698	2.6	16
82	High resolution in situ magneto-optic Kerr effect and scanning tunneling microscopy setup with all optical components in UHV. <i>Review of Scientific Instruments</i> , 2009 , 80, 023902	1.7	16
81	Magnetism of Fe clusters and islands on Pt surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 82, 109-112	2.6	16
80	Strain Relief via Island Ramification in Submonolayer Hereroepitaxy. <i>Surface Review and Letters</i> , 1998 , 05, 769-781	1.1	16
79	Comment on Observation of two-dimensional Fermi contour of a reconstructed Au(111) surface using Fourier transform scanning tunneling microscopy by D. Fujita, K. Amemiya, T. Yakabe, H. Nejoh, T. Sato, M. Iwatsuki [Surf. Sci. 423 (1999) 160]. <i>Surface Science</i> , 1999 , 443, 154-156	1.8	16
78	Adsorption sites of individual metal atoms on ultrathin MgO(100) films. <i>Physical Review B</i> , 2017 , 96,	3.3	15

77	Isolated Pd Sites on the Intermetallic PdGa(111) and PdGa($\bar{1}\bar{1}\bar{1}$) Model Catalyst Surfaces. <i>Angewandte Chemie</i> , 2012 , 124, 9473-9477	3.6	15
76	Roughening and fragmentation of strained Ag islands on Pt(111). <i>Physical Review Letters</i> , 1994 , 73, 2143-4	7.4	15
75	Magnetoelastic control of magnetism in an artificial multiferroic. <i>Physical Review B</i> , 2016 , 94,	3.3	14
74	Intense fluorescence of Au. <i>Journal of Chemical Physics</i> , 2017 , 147, 074301	3.9	14
73	Comparing XMCD and DFT with STM spin excitation spectroscopy for Fe and Co adatoms on Cu ₂ N/Cu(100). <i>Physical Review B</i> , 2015 , 92,	3.3	14
72	Unconventional Spin Relaxation Involving Localized Vibrational Modes in Ho Single-Atom Magnets. <i>Physical Review Letters</i> , 2020 , 124, 077204	7.4	13
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