

Daniel E BÃ¼rgler

List of Publications by Year in descending order

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142
papers

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149
docs citations

149
times ranked

2763
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetic domain wall manipulation using optically induced thermal gradients. Journal of Magnetism and Magnetic Materials, 2022, 560, 169441.	1.0	1
2	Laser-driven soft-X-ray source for resonant magnetic scattering. , 2022, , .		0
3	Cyclophane with eclipsed pyrene units enables construction of spin interfaces with chemical accuracy. Chemical Science, 2021, 12, 8430-8437.	3.7	8
4	Multistate current-induced magnetization switching in Au/Fe/MgO(001) epitaxial heterostructures. Physical Review Research, 2021, 3, .	1.3	2
5	Magnetization relaxation dynamics in $\text{Co}/\text{Mn}/\text{Co}$ multilayers on pico- and nanosecond timescales. Physical Review Research, 2021, 3, .	1.3	6
6	Coherent GHz lattice and magnetization excitations in thin epitaxial Ag/Fe/Cr/Fe films. Physical Review B, 2021, 104, .	1.1	1
7	Laser-driven resonant magnetic soft-x-ray scattering for probing ultrafast antiferromagnetic and structural dynamics. Optica, 2021, 8, 1237.	4.8	8
8	Generation of terahertz transients from $\text{Co}/\text{Mn}_2/\text{Co}$ -Heusler-alloy/normal-metal nanobilayers excited by femtosecond optical pulses. Physical Review Research, 2021, 3, .	1.3	6
9	Terahertz Transients Emitted from La-Sr-Mn-O/Metal Nanobilayers Excited by Femtosecond Optical Pulses. , 2020, , .		0
10	Onset-Time Control of THz Transients Generated by Spintronic Emitters. , 2020, , .		0
11	Magnetic-Field Enhancement of THz Surface Emission in Highly Resistive GaAs. , 2020, , .		0
12	Direct measurement of anisotropic conductivity in a nanolaminated $(\text{Mn}_{0.5}\text{Cr}_{0.5})_2\text{GaC}$ thin film. Applied Physics Letters, 2019, 115, 094101.	1.5	9
13	Magnetically and optically tunable terahertz radiation from Ta/NiFe/Pt spintronic nanolayers generated by femtosecond laser pulses. Applied Physics Letters, 2019, 114, .	1.5	36
14	Epitaxial and contamination-free $\text{Co}(0001)$ electrodes on insulating substrates for molecular spintronic devices. Thin Solid Films, 2019, 680, 67-74.	0.8	1
15	Single-pass STEM-EMCD on a zone axis using a patterned aperture: progress in experimental and data treatment methods. Scientific Reports, 2019, 9, 18170.	1.6	8
16	Current-induced domain wall oscillations in a nanowire imaged by time-resolved photoemission electron microscopy. Journal of Magnetism and Magnetic Materials, 2019, 476, 538-545.	1.0	5
17	Element-selective investigation of femtosecond spin dynamics in NiPd magnetic alloys using extreme ultraviolet radiation. Physical Review B, 2018, 97, .	1.1	14
18	Ultra-High Vacuum Deposition of Pyrene Molecules on Metal Surfaces. Physica Status Solidi (B): Basic Research, 2018, 255, 1800235.	0.7	7

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19	Optically induced magnetization reversal in Co/Cu multilayers: Role of domain wall dynamics. <i>Physical Review B</i> , 2018, 98, .		
20	Quantum interference effects in molecular spin hybrids. <i>Physical Review B</i> , 2017, 95, .	1.1	11
21	Magnetic subunits within a single molecule–surface hybrid. <i>New Journal of Physics</i> , 2017, 19, 053016.	1.2	12
22	Magnetic surface domain imaging of uncapped epitaxial FeRh(001) thin films across the temperature-induced metamagnetic transition. <i>AIP Advances</i> , 2016, 6, .	0.6	11
23	Magnetic measurements with atomic-plane resolution. <i>Nature Communications</i> , 2016, 7, 12672.	5.8	43
24	Spin-Hybrids: A Single-Molecule Approach to Spintronics. <i>E-Journal of Surface Science and Nanotechnology</i> , 2016, 14, 17-22.	0.1	11
25	Magnetic properties, morphology and interfaces of (Fe/Si) nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 271-275.	1.0	6
26	Metallic Multilayers: Discovery of Interlayer Exchange Coupling and GMR. , 2016, , 107-126.		2
27	Charging effect reduction in electron beam lithography and observation of single nanopillars on highly insulating substrates. <i>Microelectronic Engineering</i> , 2015, 140, 33-37.	1.1	6
28	Adsorption phenomena of cubane-type tetranuclear Ni(II) complexes with neutral, thioether-functionalized ligands on Au(111). <i>Surface Science</i> , 2015, 641, 210-215.	0.8	13
29	Spin-torque-induced dynamics at fine-split frequencies in nano-oscillators with two stacked vortices. <i>Nature Communications</i> , 2015, 6, 6409.	5.8	40
30	Metallic Multilayers: Discovery of Interlayer Exchange Coupling and GMR. , 2015, , 1-16.		0
31	Influence of the crystal structure of thin Co films on X-ray magnetic linear dichroism—Comparison of ab initio theory and reflectometry experiments. <i>Journal of Applied Physics</i> , 2014, 115, 17E132.	1.1	2
32	STRUCTURAL INTEGRITY OF SINGLE BIS(PHTHALOCYANINATO)-NEODYMIUM(III) MOLECULES ON METAL SURFACES WITH DIFFERENT REACTIVITY. <i>Spin</i> , 2014, 04, 1440007.	0.6	10
33	Iron silicide formation at different layers of (Fe/Si) ₃ multilayered structures determined by conversion electron Mössbauer spectroscopy. <i>Journal of Applied Physics</i> , 2014, 116, 023907.	1.1	6
34	Magnetocrystalline anisotropy in x-ray magnetic linear dichroism at the 3p edges of crystalline Fe thin films. <i>Physical Review B</i> , 2014, 89, .	1.1	6
35	Detection of the Magnetocrystalline Anisotropy in X-Ray Magnetic Linear Dichroism Reflection Spectra Across the Fe 3p and 2p Edges. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	1
36	Epitaxial Cu(001) films grown on a Cr/Ag/Fe/GaAs(001) buffer system. <i>Thin Solid Films</i> , 2014, 562, 250-253.	0.8	1

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37	Thermomagnetic behaviour and compositional irreversibility on (Fe/Si) ₃ multilayer films. Journal of Magnetism and Magnetic Materials, 2014, 364, 24-33.	1.0	5
38	Quantitative characterization of nanoscale polycrystalline magnets with electron magnetic circular dichroism. Nature Communications, 2014, 5, 3138.	5.8	45
39	Dual wavelength magneto-optical imaging of magnetic thin films. Applied Physics Letters, 2013, 103, .	1.5	31
40	Accessing 4f-states in single-molecule spintronics. Nature Communications, 2013, 4, 2425.	5.8	71
41	The Influence of Magnetic Anisotropy on Current-Induced Spindynamics. Springer Tracts in Modern Physics, 2013, , 1-35.	0.1	1
42	Electronic structure, surface morphology, and topologically protected surface states of Sb ₂ Te ₃ thin films grown on Si(111). Journal of Applied Physics, 2013, 113, .	1.1	45
43	Spin-Transfer Torque Effects in Single-Crystalline Nanopillars. Springer Series in Materials Science, 2013, , 25-56.	0.4	0
44	X-ray magneto-optical polarization spectroscopy: an analysis from the visible region to the x-ray regime. Applied Optics, 2013, 52, 4294.	0.9	25
45	Hard x-ray photoemission spectroscopy on the trilayer system MgO/Au/Fe using standing-wave excitation. Journal Physics D: Applied Physics, 2013, 46, 375001.	1.3	2
46	Observation and implications of magnetic domains in lateral spin valves. Journal of Applied Physics, 2012, 111, 07C504.	1.1	4
47	Quenched Slonczewski windmill in spin-torque vortex oscillators. Physical Review B, 2012, 86, .	1.1	11
48	Electrical Spin Injection into InN Semiconductor Nanowires. Nano Letters, 2012, 12, 4437-4443.	4.5	36
49	Antiferromagnetic coupling across silicon regulated by tunneling currents. Applied Physics Letters, 2012, 100, 022406.	1.5	2
50	Injection locking of single-vortex and double-vortex spin-torque oscillators. , 2011, , .		3
51	Spin-transfer torque induced vortex dynamics in Fe/Ag/Fe nanopillars. Journal Physics D: Applied Physics, 2011, 44, 384002.	1.3	21
52	Layer-selective studies of an anti-ferromagnetically coupled multilayer by resonant magnetic reflectivity in the extreme ultraviolet range. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 287-290.	0.8	6
53	Hard x-ray photoemission using standing-wave excitation applied to the MgO/Fe interface. Physical Review B, 2011, 83, .	1.1	19
54	Origin of the Planar Hall Effect in Nanocrystalline $\text{Co}_{60}\text{Fe}_{40}$ Multilayers. Physical Review Letters, 2011, 107, 086603.		68

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55	Resonant magnetic reflectivity in the extreme ultraviolet spectral range: Interlayer-coupled Co/Si/Ni/Fe multilayer system. <i>Physical Review B</i> , 2010, 82, .	1.1	17
56	Injection locking of the gyrotropic vortex motion in a nanopillar. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	25
57	Observation of Josephson coupling through an interlayer of antiferromagnetically ordered chromium. <i>Physical Review B</i> , 2009, 80, .	1.1	8
58	Magnetization dynamics in spin torque nano-oscillators: Vortex state versus uniform state. <i>Physical Review B</i> , 2009, 80, .	1.1	57
59	Thickness dependence of linear and quadratic magneto-optical Kerr effects in ultrathin Fe(001) films. <i>Physical Review B</i> , 2009, 79, .	1.1	49
60	Magneto-electronics. , 2009, , 88-91.		1
61	Twisted magnetization state at the interface of an antiferromagnetically coupled Fe/Si multilayer as probed by specular and off-specular polarized neutron scattering. <i>Physical Review B</i> , 2008, 77, .	1.1	15
62	Spin-Transfer Induced Dynamic Modes in Single-Crystalline Fe/Ag/Fe Nanopillars. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 1951-1956.	1.2	10
63	Interface and bulk magnetization dynamics in biaxial Fe/Cr structures induced by ultrashort optical pulses. <i>Journal of Applied Physics</i> , 2008, 104, 083918.	1.1	2
64	Depth-resolved soft x-ray photoelectron emission microscopy in nanostructures via standing-wave excited photoemission. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	24
65	Domain structure in biaxial Fe/Cr films induced by lateral fluctuations of the magnetic anisotropy. <i>Physical Review B</i> , 2008, 77, .	1.1	1
66	Spin-Transfer Torques in Single-Crystalline Nanopillars. <i>Advances in Solid State Physics</i> , 2008, , 127-139.	0.8	0
67	Asymmetric spin-transfer torque in single-crystalline $\text{Fe}/\text{Ag}/\text{Fe}$ nanopillars. <i>Physical Review B</i> , 2007, 76, .	1.1	29
68	Magnetization dynamics induced by ultrashort optical pulses in Fe/Cr thin films. <i>Physical Review B</i> , 2007, 75, .	1.1	26
69	Large tunneling magnetoresistance effect at high voltage drop for Co-based Heusler alloy MgO/CoFe junctions. <i>Journal of Applied Physics</i> , 2007, 101, 09J503.	1.1	2
70	Large inverse tunneling magnetoresistance in $\text{Co}_2\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}/\text{MgO}/\text{Co}_{80}\text{Fe}_{20}$ magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2007, 90, 162512.	1.5	10
71	Intensity of Brillouin light scattering from spin waves in magnetic multilayers with noncollinear spin configurations: Theory and experiment. <i>Physical Review B</i> , 2007, 75, .	1.1	15
72	Interfacial magnetization in exchange-coupled $\text{Fe}/\text{Cr}/\text{Fe}$ structures investigated by second harmonic generation. <i>Physical Review B</i> , 2007, 75, .	1.1	24

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73	Spin-transfer phenomena in layered magnetic structures: Physical phenomena and materials aspects. <i>Acta Materialia</i> , 2007, 55, 1171-1182.	3.8	27
74	Polarized neutron reflectivity of dilute magnetic semiconductors. <i>Physica B: Condensed Matter</i> , 2007, 397, 59-61.	1.3	3
75	Antiferromagnetic Interlayer Exchange Coupling Across Epitaxial Si Spacers. <i>Springer Series in Materials Science</i> , 2007, , 133-145.	0.4	2
76	FMR investigations of half-metallic ferromagnets. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1503-1512.	0.8	21
77	Anisotropic FMR-linewidth of triple-domain Fe layers on hexagonal GaN(0001). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1567-1572.	0.8	9
78	Current-in-plane giant magnetoresistance: The effect of interface roughness and spin-depolarization due to the proximity of a buffer layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 307, L1-L6.	1.0	5
79	FMR study of thin films of Co ₂ Cr _{0.6} Fe _{0.4} Al and Co ₂ MnSi Heusler alloys. <i>Physics of Metals and Metallography</i> , 2006, 102, 357-365.	0.3	1
80	Structural and magneto-transport characterization of Co ₂ Cr _x Fe _{1-x} Al Heusler alloy films. <i>European Physical Journal B</i> , 2006, 52, 445-451.	0.6	14
81	Magnetic properties of Fe films and Fe ²⁺ /Si ⁴⁺ /Fe trilayers grown on GaAs(001) and MgO(001) by ion-beam sputter epitaxy. <i>Journal of Applied Physics</i> , 2006, 99, 093905.	1.1	6
82	Normal and inverse current-induced magnetization switching in a single nanopillar. <i>Applied Physics Letters</i> , 2006, 89, 222511.	1.5	16
83	Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering. <i>Physical Review B</i> , 2006, 73, .	1.1	10
84	Magnetic characteristics of epitaxial Ge(Mn,Fe) diluted films – a new room temperature magnetic semiconductor?. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 46-50.	1.0	22
85	Quantitative investigation of FeMn-based spin-valves by rotating field magnetoresistance measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 258-261.	1.0	6
86	Measurement and simulation of polarized neutron reflectivity and off-specular scattering from evolving magnetic domain structure in Co/Cu multilayers. <i>Physica B: Condensed Matter</i> , 2005, 356, 31-35.	1.3	6
87	Epitaxial growth and characterization of Fe thin films on wurtzite GaN(0001). <i>Journal of Crystal Growth</i> , 2005, 283, 500-507.	0.7	24
88	Nonuniform and sequential magnetization reversal via domain structure formation for multilayered system with grain size induced enhanced exchange bias. <i>European Physical Journal B</i> , 2005, 45, 249-260.	0.6	8
89	Enhanced exchange bias in ferromagnet/antiferromagnet multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 216-219.	1.0	6
90	Polarized neutron scattering from polycrystalline, exchange-biased magnetic multilayers. <i>Physica B: Condensed Matter</i> , 2005, 356, 26-30.	1.3	5

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91	Rotating-field magnetoresistance of exchange-biased spin valves. <i>Journal of Applied Physics</i> , 2005, 97, 023910.	1.1	12
92	Enhanced exchange bias due to an ultra-thin, non-magnetic insulator spacer layer. <i>Europhysics Letters</i> , 2004, 68, 233-239.	0.7	16
93	Sequence, symmetry, and magnetic fluctuations of the magnetization reversal in exchange-biased multilayers. <i>Physical Review B</i> , 2004, 70, .	1.1	28
94	Interlayer Exchange Coupling of Ferromagnetic Films Across Semiconducting Interlayers. , 2004, , 71-77.		0
95	Correlation of magnetotransport and structure in sputtered Co/Cu multilayers. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2471-2491.	0.7	37
96	Spin waves in magnetic double layers with strong antiferromagnetic interlayer exchange coupling: Theory and experiment. <i>Physical Review B</i> , 2003, 67, .	1.1	41
97	Dynamic and static measurements on epitaxial Fe/Si/Fe. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 1157-1161.	0.9	2
98	Antiferromagnetic interlayer exchange coupling across epitaxial, Ge-containing spacers. <i>Applied Physics Letters</i> , 2003, 83, 1806-1808.	1.5	6
99	Optimizing the giant magnetoresistance of NiFe/Cu/Co pseudo spin-valves prepared by magnetron sputtering. <i>Applied Physics Letters</i> , 2003, 82, 1905-1907.	1.5	19
100	Spin-wave modes and line broadening in strongly coupled epitaxial Fe/Al/Fe and Fe/Si/Fe trilayers observed by Brillouin light scattering. <i>Journal of Applied Physics</i> , 2003, 93, 3427-3434.	1.1	12
101	Inverse giant magnetoresistance due to spin-dependent interface scattering in Fe/Cr/Au/Co. <i>Europhysics Letters</i> , 2003, 63, 874-880.	0.7	12
102	Tunneling in epitaxial Fe/Si/Fe structures with strong antiferromagnetic interlayer coupling. <i>Journal of Applied Physics</i> , 2003, 93, 8038-8040.	1.1	32
103	Roughness-induced enhancement of giant magnetoresistance in epitaxial Fe/Cr/Fe(001) trilayers. <i>Europhysics Letters</i> , 2002, 59, 458-464.	0.7	18
104	Strain sensors based on magnetostrictive GMR/TMR structures. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2826-2828.	1.2	25
105	Exchange coupling of molecular-beam-epitaxy-grown Fe/Al/Fe trilayers by dynamic techniques. <i>Journal of Applied Physics</i> , 2002, 91, 7209.	1.1	22
106	Enhanced antiferromagnetic exchange coupling in Fe/Si/Fe epitaxial trilayers with Fe _{0.5} Si _{0.5} boundary layers. <i>Applied Physics Letters</i> , 2002, 81, 1264-1266.	1.5	25
107	Very strong interlayer exchange coupling in epitaxial Fe/Fe _{1-x} Si _x /Fe trilayers (x=0.4-1.0). <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 235-237.	1.0	62
108	Perpendicular magnetic domains of a thin Ag/Fe/Ag film observed by magnetic force microscopy at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 250, 32-38.	1.0	7

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109	Interface morphology of a Cr(001)/Fe(001) superlattice determined by scanning tunneling microscopy and x-ray diffraction: A comparison. <i>Journal of Applied Physics</i> , 2001, 89, 181-187.	1.1	10
110	Metallic-Type Oscillatory Interlayer Exchange Coupling across an Epitaxial FeSi Spacer. <i>Physical Review Letters</i> , 2001, 87, 157202.	2.9	70
111	Correlation of short-period oscillatory exchange coupling to nanometer-scale lateral interface structure in Fe/Cr/Fe(001). <i>Physical Review B</i> , 1999, 60, 4158-4169.	1.1	46
112	In-plane momentum conservation in Fe/Cr/Au/Fe(001) layered structures. <i>Physical Review B</i> , 1999, 60, R3732-R3734.	1.1	6
113	Atomic-scale scanning tunneling microscopy of amorphous surfaces. <i>Physical Review B</i> , 1999, 59, 10895-10902.	1.1	23
114	Surface structure of $\text{Al}_{68}\text{Pd}_{23}\text{Mn}_9$: An analysis based on the $T^*(2F)$ tiling decorated by Bergman polytopes. <i>Physical Review B</i> , 1999, 60, 3899-3907.	1.1	41
115	Spin reorientations induced by morphology changes in Fe/Ag(001). <i>Physical Review B</i> , 1999, 59, 14516-14519.	1.1	41
116	Solid phase epitaxy of a ternary system. <i>Surface Science</i> , 1998, 418, 314-319.	0.8	2
117	Antiferromagnetic Interlayer Exchange Coupling across an Amorphous Metallic Spacer Layer. <i>Physical Review Letters</i> , 1998, 80, 4983-4986.	2.9	26
118	Imaging Ga tetramers on Ag(001) by scanning tunneling microscopy: Theory and experiment. <i>Physical Review B</i> , 1998, 57, 10035-10043.	1.1	6
119	The Katz-Gratias-De Boissieu-Elser Model Applied To The Surface Of Icosahedral $\text{Al}_{68}\text{Pd}_{23}\text{Mn}_9$. <i>Materials Research Society Symposia Proceedings</i> , 1998, 553, 231.	0.1	7
120	Optimized epitaxial growth of Fe on Ag(001). <i>Physical Review B</i> , 1997, 56, 4149-4158.	1.1	67
121	Ag films on : from clean surfaces to atomic Ga structures. <i>Surface Science</i> , 1996, 366, 295-305.	0.8	44
122	Surface structure of a binary alloy in different states of order: The transformation between the amorphous and the crystalline phase. <i>Europhysics Letters</i> , 1996, 36, 601-606.	0.7	6
123	The surface structure of icosahedral $\text{Al}_{68}\text{Pd}_{23}\text{Mn}_9$ measured by STM and LEED. <i>Applied Physics A: Materials Science and Processing</i> , 1995, 61, 491-501.	1.1	60
124	Quasicrystalline Structure of Icosahedral $\text{Al}_{68}\text{Pd}_{23}\text{Mn}_9$ Resolved by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 1994, 73, 1255-1258.	2.9	146
125	Investigation of the icosahedral quasicrystal $\text{Al}_{68}\text{Pd}_{23}\text{Mn}_9$ by LEED and STM. <i>European Physical Journal B</i> , 1994, 96, 93-96.	0.6	44
126	Atomic surface structure of $\text{Fe}_3\text{O}_4(001)$ in different preparation stages studied by scanning tunneling microscopy. <i>Surface Science</i> , 1993, 285, 1-14.	0.8	125

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127	Local structure and dynamics of a segregated (2×2) sulfur layer on Pd(001) studied by scanning tunneling microscopy. <i>Physical Review B</i> , 1993, 47, 9963-9966.	1.1	16
128	Progress towards spin-polarized scanning tunneling microscopy. <i>Journal of Applied Physics</i> , 1992, 71, 5489-5499.	1.1	57
129	Evidence for Selective Imaging of Different Magnetic Ions on the Atomic Scale by Using a Scanning Tunnelling Microscope with a Ferromagnetic Probe Tip. <i>Europhysics Letters</i> , 1992, 19, 141-146.	0.7	39
130	Topographic and Magnetic-Sensitive Scanning Tunneling Microscope Study of Magnetite. <i>Science</i> , 1992, 255, 583-586.	6.0	185
131	Scanning tunneling microscopy study of the degree of dimer asymmetry on the Si(001)-(2 \times 1) surface. <i>Surface Science</i> , 1992, 274, 93-98.	0.8	16
132	Model calculation for spin-polarized tunneling. <i>Ultramicroscopy</i> , 1992, 42-44, 194-199.	0.8	5
133	Recent advances in spin-polarized scanning tunneling microscopy. <i>Ultramicroscopy</i> , 1992, 42-44, 338-344.	0.8	5
134	Magnetic imaging at the atomic level. <i>European Physical Journal B</i> , 1992, 86, 1-2.	0.6	30
135	Recent advances in scanning tunneling microscopy involving magnetic probes and samples. <i>Applied Physics A: Solids and Surfaces</i> , 1991, 53, 349-355.	1.4	31
136	Vacuum tunneling of spin-polarized electrons detected by scanning tunneling microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1991, 9, 519.	1.6	49
137	Laser and thermal annealed Si(111) and Si(001) surfaces studied by scanning tunneling microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1991, 9, 677.	1.6	13
138	From Point Defects to Amorphous Structures: Atomic Resolution Studies of Semiconductor Surfaces by Scanning Tunneling Microscopy (STM). <i>Materials Research Society Symposia Proceedings</i> , 1990, 183, 237.	0.1	0
139	An ultrahigh vacuum scanning tunneling microscope for surface science studies. <i>Vacuum</i> , 1990, 41, 386-388.	1.6	10
140	Scanning Tunnelling Microscopy Study of Si(111) 7×7 in the Presence of Multiple-Step Edges. <i>Europhysics Letters</i> , 1990, 12, 57-61.	0.7	28
141	An ultrahigh vacuum scanning tunneling microscope for the investigation of clean surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1990, 8, 339-344.	0.9	9
142	Local structure of the Si(100) surface studied by scanning tunneling microscopy. <i>Surface Science</i> , 1990, 232, 1-5.	0.8	44