

H-J Elmers

List of Publications by Year in descending order

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243
papers

7,005
citations

61977

43
h-index

82542

72
g-index

247
all docs

247
docs citations

247
times ranked

5290
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin- and time-resolved photoelectron spectroscopy and diffraction studies using time-of-flight momentum microscopes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	2
2	Anisotropy of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ states in single-molecule magnets. Physical Review B, 2022, 105, .	3.2	1
3	Magnetic Imaging and Microscopy. , 2021, , 1-52.		1
4	Band structure tuning of Heusler compounds: Spin- and momentum-resolved electronic structure analysis of compounds with different band filling. Physical Review B, 2021, 103, .	3.2	11
5	Site-specific atomic order and band structure tailoring in the diluted magnetic semiconductor (In,Ga,Mn)As. Physical Review B, 2021, 103, .	3.2	18
6	Tip-induced mobilization upon cooling of Ni monolayers on Re(0001). Physical Review B, 2021, 103, .	3.2	0
7	Temperature-dependent change of the electronic structure in the Kondo lattice system YbRh_2Si_2 . Journal of Physics Condensed Matter, 2021, 33, 205601.	1.8	6
8	Suppression of the vacuum space-charge effect in fs-photoemission by a retarding electrostatic front lens. Review of Scientific Instruments, 2021, 92, 053703.	1.3	17
9	Bulk spin polarization of magnetite from spin-resolved hard x-ray photoelectron spectroscopy. Physical Review B, 2021, 104, .	3.2	5
10	Mobilization upon Cooling. Angewandte Chemie - International Edition, 2021, 60, 19117-19122.	13.8	2
11	Ultrafast electronic linewidth broadening in the C $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ core level of graphene. Physical Review B, 2021, 104, .	3.2	18
12	Time-of-flight photoelectron momentum microscopy with 80â€“500 MHz photon sources: electron-optical pulse picker or bandpass pre-filter. Journal of Synchrotron Radiation, 2021, 28, 1891-1908.	2.4	11
13	Magnetic Imaging and Microscopy. , 2021, , 1203-1254.		0
14	Readout of an antiferromagnetic spintronics system by strong exchange coupling of Mn_2Au and Permalloy. Nature Communications, 2021, 12, 6539.	12.8	19
15	\vec{N} Vector Induced Manipulation of Valence States in the Collinear Antiferromagnet Mn_2Au . ACS Nano, 2020, 14, 17554-17564.	14.6	17
16	Quasiparticle interference of spin momentum locked surface states at step edges on Re(0001). Physical Review B, 2020, 102, .	3.2	5
17	Momentum-transfer model of valence-band photoelectron diffraction. Communications Physics, 2020, 3, .	5.3	13
18	Relation between spinâ€“orbit induced spin polarization, Fano-effect and circular dichroism in soft x-ray photoemission. Journal of Physics Condensed Matter, 2020, 32, 135501.	1.8	9

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19	Time- and momentum-resolved photoemission studies using time-of-flight momentum microscopy at a free-electron laser. Review of Scientific Instruments, 2020, 91, 013109.	1.3	72
20	Single-hemisphere photoelectron momentum microscope with time-of-flight recording. Review of Scientific Instruments, 2020, 91, 123110.	1.3	12
21	Emitter-site specificity of hard x-ray photoelectron Kikuchi-diffraction. New Journal of Physics, 2020, 22, 103002.	2.9	12
22	Rashba splitting of the Tamm surface state on Re(0001) observed by spin-resolved photoemission and scanning tunneling spectroscopy. Physical Review Research, 2020, 2, .	3.6	12
23	Exchange bias in epitaxial Mn ₂ Au (0001)/Fe (0001) bilayers. Journal Physics D: Applied Physics, 2019, 52, 465003.	2.8	3
24	Electron and X-Ray Spectroscopies of Organic Charge-Transfer Complexes. Physica Status Solidi (B): Basic Research, 2019, 256, 1800745.	1.5	11
25	High-resolution hard-x-ray photoelectron diffraction in a momentum microscope—the model case of graphite. New Journal of Physics, 2019, 21, 113031.	2.9	17
26	High-accuracy bulk electronic bandmapping with eliminated diffraction effects using hard X-ray photoelectron momentum microscopy. Communications Physics, 2019, 2, .	5.3	26
27	Femtosecond time-resolved photoemission electron microscopy operated at sample illumination from the rear side. Review of Scientific Instruments, 2019, 90, 053704.	1.3	7
28	Broken symmetry states of metallacrowns: Distribution of spins and the g tensor. Physical Review B, 2019, 99, .	3.2	5
29	Investigation of Many-Body Effects in the Quasi-Two-Dimensional Electronic System of Organic Charge-Transfer Salts. Physica Status Solidi (B): Basic Research, 2019, 256, 1800674.	1.5	1
30	Evidence of Spatially Inhomogeneous Electron Temperature in a Resonantly Excited Array of Bow-Tie Nanoantennas. Journal of Physical Chemistry C, 2019, 123, 12429-12436.	3.1	10
31	Solvent-induced high-spin transition in double-decker $3d/4d$ metallacrowns. Physical Review B, 2019, 99, .	4.2	12
32	4D texture of circular dichroism in soft-x-ray photoemission from tungsten. New Journal of Physics, 2019, 21, 013017.	2.9	18
33	Progress in HAXPES performance combining full-field k -imaging with time-of-flight recording. Journal of Synchrotron Radiation, 2019, 26, 1996-2012.	2.4	30
34	Multidimensional photoemission spectroscopy—the space-charge limit. New Journal of Physics, 2018, 20, 033004.	2.9	36
35	Writing and reading antiferromagnetic Mn ₂ Au by Néel spin-orbit torques and large anisotropic magnetoresistance. Nature Communications, 2018, 9, 348.	12.8	348
36	Direct imaging of antiferromagnetic domains in $Mn_{0.2}Fe_{0.8}$ manipulated by high magnetic fields. Physical Review B, 2018, 97, .	3.2	58

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37	Element-specific magnetic properties of mixed Mn_3Mg metallocrowns. <i>Physical Review B</i> , 2018, 98, .	3.2	0
38	Strain detection in non-magnetic steel by Kerr-microscopy of magnetic tracer layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 143-146.	2.3	2
39	Experimental determination of exchange constants in antiferromagnetic Mn_2Au . <i>Physical Review B</i> , 2018, 97, .	3.2	7
40	N π el Spin-Orbit Torque Driven Antiferromagnetic Resonance in Mn_2Au Probed by Time-Domain THz Spectroscopy. <i>Physical Review Letters</i> , 2018, 120, 237201.	7.8	33
41	Magnetism of metallocrown single-molecule magnets: From a simplest model to realistic systems. <i>Physical Review B</i> , 2018, 97, .	3.2	20
42	Manipulation of antiferromagnetic domain distribution in Mn_2Au by ultrahigh magnetic fields and by strain. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600438.	2.4	36
43	Direct 3D mapping of the Fermi surface and Fermi velocity. <i>Nature Materials</i> , 2017, 16, 615-621.	27.5	97
44	Microwave properties and structure of LaTiSiBaO glass-ceramics for applications in GHz electronics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2137-2142.	5.7	11
45	Vectorial spin polarization detection in multichannel spin-resolved photoemission spectroscopy using an $\text{Ir}(001)$ imaging spin filter. <i>Physical Review B</i> , 2017, 95, .	3.2	6
46	Momentum-resolved photoelectron absorption in surface barrier scattering on $\text{Ir}(111)$ and graphene/ $\text{Ir}(111)$. <i>Physical Review B</i> , 2017, 96, .	3.2	4
47	Momentum Distribution of Electrons Emitted from Resonantly Excited Individual Gold Nanorods. <i>Nano Letters</i> , 2017, 17, 6606-6612.	9.1	28
48	Large area conductive nanoaperture arrays with strong optical resonances and spectrally flat terahertz transmission. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	3
49	Energy- and k -resolved mapping of the magnetic circular dichroism in threshold photoemission from Co films on $\text{Pt}(111)$. <i>Physical Review B</i> , 2017, 95, .	3.2	0
50	Spin-filtered time-of-flight k -space microscopy of Ir Towards the complete photoemission experiment. <i>Ultramicroscopy</i> , 2017, 183, 19-29.	1.9	27
51	Hosting of surface states in spin-orbit induced projected bulk band gaps of $\text{W}(110)$ and $\text{Ir}(111)$. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 255001.	1.8	11
52	Morphological and magnetic analysis of Fe nanostructures on $\text{W}(110)$ by using scanning tunneling microscopy and Lorentz microscopy. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 02BC11.	1.5	1
53	Multi-MHz time-of-flight electronic bandstructure imaging of graphene on $\text{Ir}(111)$. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	34
54	Microscopic origin of the charge transfer in single crystals based on thiophene derivatives: A combined NEXAFS and density functional theory approach. <i>Journal of Chemical Physics</i> , 2016, 145, 034702.	3.0	12

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55	Polarization dependence of plasmonic near-field enhanced photoemission from cross antennas. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	5
56	Determination of surface and interface magnetic properties for the multiferroic heterostructure Co/BaTiO ₃ using spin-polarized photoemission spectroscopy. Journal of Physics Condensed Matter, 2016, 28, 436004.	1.8	1
57	Dirac cone and pseudogapped density of states in the topological half-Heusler compound YPtBi. Physical Review B, 2016, 94, .	3.2	9
58	Analyzing the enforcement of a high-spin ground state for a metallocrown single-molecule magnet. Physical Review B, 2016, 93, .	3.2	13
59	Evidence for Eight-Node Mixed-Symmetry Superconductivity in a Correlated Organic Metal. Physical Review Letters, 2016, 116, 237001.	7.8	33
60	Spin mapping of surface and bulk Rashba states in ferroelectric GeTe (111) films. Physical Review B, 2016, 94, .	3.2	46
61	Spin texture of time-reversal symmetry invariant surface states on W(110). Scientific Reports, 2016, 6, 29394.	3.3	27
62	Development of hard X-ray photoelectron spin-polarized photoemission spectroscopy applicable for probing of buried magnetic layer valence states. Journal of Electron Spectroscopy and Related Phenomena, 2016, 211, 12-18.	1.7	9
63	Element-Specific Magnetic and Electronic Properties of Epitaxial Heusler Films. Springer Series in Materials Science, 2016, , 353-386.	0.6	0
64	Emission Properties of Metal Nanoparticles. , 2016, , 521-547.		2
65	Monitoring surface resonances on Co ₂ MnSi(100) by spin-resolved photoelectron spectroscopy. Physical Review B, 2015, 91, .	3.2	14
66	Anomalous d-like surface resonances on Mo(110) analyzed by time-of-flight momentum microscopy. Ultramicroscopy, 2015, 159, 453-463.	1.9	41
67	FMR Investigations of Two-dimensional Periodic Arrays of Disc-shaped Co Particles at Different Temperatures. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3587-3591.	1.8	3
68	Specular reflection of spin-polarized electrons from the W(001) spin-filter crystal in a large range of scattering energies and angles. Physical Review B, 2015, 91, .	3.2	11
69	Emission Properties of Metal Nanoparticles. , 2015, , 1-23.		2
70	Space-, time- and spin-resolved photoemission. Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 94-118.	1.7	71
71	Photon-assisted field emission from a Si tip at addition of an AC low voltage. Applied Physics A: Materials Science and Processing, 2015, 120, 161-165.	2.3	2
72	Spectroscopic fingerprints for charge localization in the organic semiconductor (DOEO) ₄ [HgBr ₄]A ₃ TCE. European Physical Journal B, 2015, 88, 1.	1.5	0

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73	Disorder-induced gap in the normal density of states of the organic superconductor $\text{BEDT-TTF}_2\text{Cu}[\text{N}(\text{CN})_2\text{Br}]$. Journal of Physics Condensed Matter, 2015, 27, 265601.	1.8	10
74	Robustness of plasmonic angular momentum confinement in cross resonant optical antennas. Applied Physics Letters, 2015, 106, .	3.3	11
75	Epitaxial Mn_2Au thin films for antiferromagnetic spintronics. Journal Physics D: Applied Physics, 2015, 48, 385001.	2.8	39
76	Characterization and magnetic properties of nanoparticles based on FePt solid solution with an oxide shell. Journal of Magnetism and Magnetic Materials, 2015, 373, 231-235.	2.3	6
77	Nano-holes vs Nano-cracks in Thin Gold Films: What Causes Anomalous THz Transmission?. , 2015, , .		0
78	Hard X-ray photoemission study of the Fabre salts $(\text{TMTTF})_2\text{X}$ ($\text{X} = \text{SbF}_6$ and PF_6). European Physical Journal B, 2014, 87, 1.	1.5	11
79	Test object for emission electron microscope. Applied Physics A: Materials Science and Processing, 2014, 114, 1383-1385.	2.3	0
80	Structural and magnetic dynamics in the magnetic shape-memory alloy NiMn_2MnGa . Physical Review B, 2014, 90, .	3.2	20
81	Tuning the hole injection barrier in the intermolecular charge-transfer compound DTBDT-F4TCNQ at metal interfaces. Physical Review B, 2014, 89, .	3.2	4
82	Direct observation of half-metallicity in the Heusler compound Co_2MnSi . Nature Communications, 2014, 5, 3974.	12.8	333
83	Electronic properties of Co_2FeSi investigated by X-ray magnetic linear dichroism. Journal of Magnetism and Magnetic Materials, 2014, 368, 364-373.	2.3	4
84	Investigation of exchange bias effect of fine cobalt particles with oxidized surface. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	3
85	Imaging spin filter for electrons based on specular reflection from iridium (001). Ultramicroscopy, 2013, 130, 63-69.	1.9	34
86	Electronic structure of the austenitic and martensitic state of magnetocaloric Ni-Mn-In Heusler alloy films. Physical Review B, 2013, 88, .	3.2	28
87	Magnetoresistive properties of Fe_3O_4 nanoparticles embedded in a Cu matrix. Applied Physics A: Materials Science and Processing, 2013, 112, 463-467.	2.3	1
88	New Materials with High Spin Polarization Investigated by X-Ray Magnetic Circular Dichroism. , 2013, , 221-241.		0
89	Quadratic magneto-optical effects in two-dimensional permalloy particles investigated by scanning X-ray microscopy. Applied Physics A: Materials Science and Processing, 2013, 111, 557-561.	2.3	3
90	Spin-polarized photoelectrons resonantly excited by circularly polarized light from a fractional Ag film on $\text{GaAs}(100)$. Physical Review B, 2013, 88, .	3.2	4

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91	Beyond the Heisenberg Model: Anisotropic Exchange Interaction between a Cu-Tetraazaporphyrin Monolayer and $\langle \mathbf{m}_i \rangle \cdot \langle \mathbf{m}_j \rangle$	7.8	18
92	Exchange coupling in the correlated electronic states of amorphous GdFe films. Physical Review B, 2013, 88, .	3.2	9
93	Dominance of the first excitation step for magnetic circular dichroism in near-threshold two-photon photoemission. Physical Review B, 2012, 85, .	3.2	3
94	Test of band structure calculations for Heusler compounds by spin-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	21
95	Temperature-induced martensite in magnetic shape memory Fe ₂ MnGa observed by photoemission electron microscopy. Applied Physics Letters, 2012, 100, .	3.3	20
96	Giant magnetic anisotropy energy and coercivity in Fe island and atomic wire on W(110). Physical Review B, 2012, 86, .	3.2	4
97	Structure and magnetic properties of one-dimensional chains of ferromagnetic nanoparticles. Applied Physics A: Materials Science and Processing, 2012, 109, 699-702.	2.3	4
98	Orbital-Resolved Partial Charge Transfer from the Methoxy Groups of Substituted Pyrenes in Complexes with Tetracyanoquinodimethane—A NEXAFS Study. Journal of the American Chemical Society, 2012, 134, 4694-4699.	13.7	19
99	Near Field of Strongly Coupled Plasmons: Uncovering Dark Modes. Nano Letters, 2012, 12, 1885-1890.	9.1	74
100	Field Emission of Electrons Generated by the Near Field of Strongly Coupled Plasmons. Physical Review Letters, 2012, 108, 237602.	7.8	60
101	Structure and Microscopic Magnetism of Epitaxial NiMnGa Films. Advanced Engineering Materials, 2012, 14, 687-695.	3.5	7
102	Thermomagnetic Properties Improved by Self-Organized Flower-Like Phase Separation of Ferromagnetic Co ₂ Dy _{0.5} Mn _{0.5} Sn. Advanced Functional Materials, 2012, 22, 1822-1826.	14.9	8
103	Basic Properties of Magnetic Shape-Memory Materials from First-Principles Calculations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2891-2900.	2.2	28
104	Element-specific magnetic moments and spin-resolved density of states in CoFeMnZnGa. Physical Review B, 2012, 86, 045110.	3.2	110
105	Manipulating near field polarization beyond the diffraction limit. Applied Physics B: Lasers and Optics, 2011, 104, 65-71.	2.2	7
106	Element-specific ferromagnetic resonance in epitaxial Heusler spin valve systems. Journal Physics D: Applied Physics, 2011, 44, 425004.	2.8	9
107	Microscopic origin of magnetic anisotropy in martensitic NiMnGa. Physical Review B, 2012, 86, 045110.	3.2	21
108	Effect of annealing on Co ₂ Dy _{0.5} Mn _{0.5} Sn. Applied Physics Letters, 2012, 100, 162401.	3.2	46

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109	Spin scattering and spin-polarized hybrid interface states at a metal-organic interface. Physical Review B, 2011, 84, .	3.2	46
110	Highly Efficient Multichannel Spin-Polarization Detection. Physical Review Letters, 2011, 107, 207601. Element-specific magnetic properties of Co Co	7.8	66

111

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127	Localized magnetic moments in the Heusler alloy Rh_2MnGe . Journal Physics D: Applied Physics, 2009, 42, 084001.	2.8	21
128	Interface and bulk magnetism of $\text{Co}_2\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}$ and Co_2CrAl thin films. Applied Physics Letters, 2009, 95, .	3.3	21
129	Morphology and electronic structure of bcc $\text{Co}(110)$ and fcc/hcp $\text{Co}(111)$ on $\text{Fe}(110)$ investigated by STM and STS. Surface Science, 2009, 603, 462-468.	1.9	3
130	Magnetization dynamics in polycrystalline Permalloy and epitaxial Co platelets observed by time-resolved photoemission electron microscopy. Physica Status Solidi (B): Basic Research, 2009, 246, 1476-1482.	1.5	1
131	Investigating spintronics thin film systems with synchrotron radiation. Radiation Physics and Chemistry, 2009, 78, S5-S10.	2.8	3
132	A Closer Look Into Magnetism: Opportunities With Synchrotron Radiation. IEEE Transactions on Magnetics, 2009, 45, 15-57.	2.1	66
133	Tailoring the electronic structure of half-metallic Heusler alloys. Physical Review B, 2009, 80, .	3.2	72
134	Spin-resolved unoccupied density of states in epitaxial Heusler-alloy films. Physical Review B, 2009, 80, .	3.2	34
135	Improvement of structural, electronic, and magnetic properties of Co_2MnSi thin films by He^+ irradiation. Applied Physics Letters, 2009, 94, 152508.	3.3	7
136	High-pass energy-filtered photoemission electron microscopy imaging of dopants in silicon. Journal of Microscopy, 2008, 230, 42-47.	1.8	5
137	Optical magnetic circular dichroism in threshold photoemission from a magnetite thin film. Journal of Physics Condensed Matter, 2008, 20, 235218.	1.8	13
138	Growth and magnetic control of twinning structure in thin films of Heusler shape memory compound Ni_2MnGa . Applied Physics Letters, 2008, 93, .	3.3	39
139	Suppression of martensitic phase transition at the Ni_2MnGa film surface. Applied Physics Letters, 2008, 93, 022501.	3.3	20
140	Magnetic moment investigations of epitaxial magnetite thin films. Journal of Applied Physics, 2008, 103, 07D715.	2.5	13
141	Interface magnetization of ultrathin epitaxial $\text{Co}_2\text{FeSi}(110)/\text{Al}_2\text{O}_3$ films. Journal Physics D: Applied Physics, 2007, 40, 1552-1557.	2.8	35
142	Spin-polarized tunneling spectroscopy and magnetic coupling in $\text{Au-coated Fe}_3\text{Mo}(110)$ nanostructures. Physical Review B, 2007, 75, .	3.2	6
143	Solid state reaction at the interface between Heusler alloys and Al cap accelerated by elevated temperature and rough surface. Applied Physics Letters, 2007, 91, .	3.3	12
144	Correlation of electronic structure and martensitic transition in epitaxial Ni_2MnGa films. Physical Review B, 2007, 76, .	3.2	77

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145	Temperature-driven spin reorientation transition in $\text{Fe}_x\text{Mo}_{1-x}$. <i>Physical Review B</i> , 2007, 76, .	3.2	13
146	Magnetization dynamics in microscopic spin-valve elements: Shortcomings of the macrospin picture. <i>Physical Review B</i> , 2007, 76, .	3.2	12
147	Structural, electronic, and magnetic properties of pseudomorphic CrFe nanostripes on W(110). <i>Physical Review B</i> , 2007, 75, .	3.2	1
148	Tunneling spectroscopy of the Heusler compound $\text{Co}_2\text{Cr}_0.6\text{Fe}_0.4\text{Al}$. <i>Journal of Applied Physics</i> , 2007, 102, 093710.	2.5	8
149	Ferromagnetic resonance study of thin film antidot arrays: Experiment and micromagnetic simulations. <i>Physical Review B</i> , 2007, 75, .	3.2	60
150	Correlation of local disorder and electronic properties in the Heusler alloy $\text{Co}_2\text{Cr}_0.6\text{Fe}_0.4\text{Al}$. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1539-1543.	2.8	11
151	Martensite Transition and Microscopic Magnetism of Epitaxial Ni_2MnGa Films. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1050, 1.	0.1	1
152	Stroboscopic XMCD-PEEM imaging of standing and propagating spinwave modes in permalloy thin-film structures. <i>Surface Science</i> , 2007, 601, 4694-4699.	1.9	5
153	Epitaxial films of the magnetic shape memory material. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2779-2781.	2.3	47
154	Magnetic stray fields of patterned permalloy structures investigated by photoemission electron microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 793-796.	2.3	6
155	Reconstructed bcc Co films on the surface. <i>Surface Science</i> , 2007, 601, 5026-5033.	1.9	3
156	The origin of contrast in the imaging of doped areas in silicon by slow electrons. <i>Journal of Applied Physics</i> , 2006, 100, 093712.	2.5	18
157	PEEM with high time resolution imaging of transient processes and novel concepts of chromatic and spherical aberration correction. <i>Surface and Interface Analysis</i> , 2006, 38, 1578-1587.	1.8	24
158	Transient spatio-temporal domain patterns in permalloy microstructures induced by fast magnetic field pulses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 246, 1-12.	1.4	6
159	Relaxation of spin polarized ^3He by magnetized ferromagnetic contaminants. <i>European Physical Journal D</i> , 2006, 38, 445-454.	1.3	36
160	The Properties of $\text{Co}_2\text{Cr}_1-x\text{Fe}_x\text{Al}$ Heusler Compounds. <i>Lecture Notes in Physics</i> , 2006, , 113-152.	0.7	6
161	Magnetic properties of $\text{Co}_2\text{Mn}_1-x\text{Fe}_x\text{Si}$ Heusler alloys. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 786-792.	2.8	47
162	Spin-polarized scanning tunneling microscopy and spectroscopy of ultrathin $\text{Fe}/\text{Mo}(110)$ films using W/Au tips. <i>Physical Review B</i> , 2006, 73, .	3.2	20

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163	Reduction of surface magnetism of Co ₂ Cr _{0.6} Fe _{0.4} Al Heusler alloy films. Applied Physics Letters, 2006, 88, 072506.	3.3	41
164	Epitaxial film growth and magnetic properties of Co ₂ FeSi. Physical Review B, 2006, 74, .	3.2	73
165	Spin-Polarized Scanning Tunnelling Microscopy of Ultrathin Films. Acta Physica Polonica A, 2006, 109, 371-375.	0.5	3
166	Thin epitaxial films of the Heusler compound. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1104-1107.	2.3	29
167	Heteroepitaxial growth of alloy monolayers on W(110). Journal of Crystal Growth, 2005, 275, 150-156.	1.5	7
168	NanoESCA: imaging UPS and XPS with high energy resolution. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1179-1182.	1.7	44
169	Growth and magnetic properties of ultra-thin Co(0001) films on patterned $\text{Mo(110)/Al}_2\text{O}_3(1\overline{1}0)$ substrates. Applied Physics A: Materials Science and Processing, 2005, 80, 731-734.	2.3	4
170	Ferromagnetic resonance investigation of collective phenomena in two-dimensional periodic arrays of Co particles. Applied Physics A: Materials Science and Processing, 2005, 81, 679-683.	2.3	13
171	Sub-nanosecond resolution x-ray magnetic circular dichroism photoemission electron microscopy of magnetization processes in a permalloy ring. Journal of Physics Condensed Matter, 2005, 17, S1381-S1395.	1.8	15
172	Periodic unmixing of a binary metallic vapor. Physical Review B, 2005, 72, .	3.2	2
173	Scanning tunneling spectroscopy of dislocations in ultrathin fcc and hcp Co films. Physical Review B, 2005, 72, .	3.2	12
174	Magnetic Anisotropies and Coupling Mechanisms in Fe/Mo(110) Nanostripes. Physical Review Letters, 2005, 95, 187202.	7.8	27
175	Quantitative microscopy of magnetic domains in Fe(100) by core-level x-ray photoelectron spectroscopy. Physical Review B, 2005, 72, .	3.2	3
176	Self-Trapping of Magnetic Oscillation Modes in Landau Flux-Closure Structures. Physical Review Letters, 2005, 95, 207201.	7.8	42
177	Crystallography, morphology, and magnetic properties of Fe nanostructures on faceted $\pm\text{-Al}_2\text{O}_3$ m plane. Journal of Applied Physics, 2005, 97, 014303.	2.5	22
178	Design of magnetic materials: the electronic structure of the ordered, doped Heusler compound Co ₂ Cr _{1-x} Fe _x Al. Journal of Physics Condensed Matter, 2005, 17, 7237-7252.	1.8	95
179	Magnetic and electronic properties of binary alloy monolayers: Fe _x Mn _{1-x} and Co _{1-x} Fe _x on W(110). Physical Review B, 2004, 69, .	3.2	10
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