Wolfgang Kuch

List of Publications by Year
in descending order

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166	5,566	66343	95266
papers	citations	42 h-index	68 g-index

174	174	174	5176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substrate-induced magnetic ordering and switching of iron porphyrin molecules. Nature Materials, 2007, 6, 516-520.	27.5	396
2	Spin dynamics in ferromagnets: Gilbert damping and two-magnon scattering. Physical Review B, 2007, 76, .	3.2	215
3	Two-magnon scattering and viscous Gilbert damping in ultrathin ferromagnets. Physical Review B, 2006, 73, .	3.2	200
4	Magnetic properties and spin polarization ofCo2MnSiHeusler alloy thin films epitaxially grown on GaAs(001). Physical Review B, 2005, 71, .	3.2	191
5	Tailoring the Nature of Magnetic Coupling of Fe-Porphyrin Molecules to Ferromagnetic Substrates. Physical Review Letters, 2009, 102, 047202.	7.8	188
6	Tuning the magnetic coupling across ultrathin antiferromagnetic films by controlling atomic-scale roughness. Nature Materials, 2006, 5, 128-133.	27.5	145
7	Highly Efficient Thermal and Light-Induced Spin-State Switching of an Fe(II) Complex in Direct Contact with a Solid Surface. ACS Nano, 2015, 9, 8960-8966.	14.6	117
8	Surfactant-Mediated Modification of the Magnetic Properties of Co/Cu(111) Thin Films and Superlattices. Physical Review Letters, 1996, 76, 4428-4431.	7.8	109
9	Time-resolved magnetic domain imaging by x-ray photoemission electron microscopy. Applied Physics Letters, 2003, 82, 2299-2301.	3.3	101
10	The elliptically polarized undulator beamlines at BESSY II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 449-452.	1.6	93
11	Spin Crossover in a Vacuum-Deposited Submonolayer of a Molecular Iron(II) Complex. Journal of Physical Chemistry Letters, 2012, 3, 3431-3434.	4.6	92
12	Spinâ€Crossover Complex on Au(111): Structural and Electronic Differences Between Monoâ€•and Multilayers. Chemistry - A European Journal, 2013, 19, 15702-15709.	3.3	91
13	Spin-Orbit Strength Driven Crossover between Intrinsic and Extrinsic Mechanisms of the Anomalous Hall Effect in the Epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi><mml:msub><mml:mn>1</mml:mn><mml:mn>0</mml:mn></mml:msub></mml:math>-Ordered Ferromagnets FePd and FePt. Physical Review Letters, 2010, 104, 076402.	7.8	86
14	Driving magnetic skyrmions with microwave fields. Physical Review B, 2015, 92, .	3.2	84
15	Magnetic Order-Disorder Transition Mediated by a Temperature-Driven Structural Transformation. Physical Review Letters, 1996, 76, 4620-4623.	7.8	81
16	Structural and magnetic properties ofFexMn1â^'xthin films on Cu(001) and on Co/Cu(001). Physical Review B, 2002, 66, .	3.2	78
17	Magnetic Proximity Effects in Antiferromagnet/Ferromagnet Bilayers: The Impact on the NÃ©el Temperature. Physical Review Letters, 2007, 98, 237201.	7.8	77
18	Magnetic-circular-dichroism microspectroscopy at the spin reorientation transition in Ni(001) films. Physical Review B, 2000, 62, 3824-3833.	3.2	75

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19	Evolution of cooperativity in the spin transition of an iron(II) complex on a graphite surface. Nature Communications, 2018, 9, 2984.	12.8	73
20	Magnetic Coupling of Porphyrin Molecules Through Graphene. Advanced Materials, 2013, 25, 3473-3477.	21.0	72
21	Vacuum-Evaporable Spin-Crossover Complexes in Direct Contact with a Solid Surface: Bismuth versus Gold. Journal of Physical Chemistry C, 2017, 121, 1210-1219.	3.1	71
22	Reversible Manipulation of the Magnetic Coupling of Single Molecular Spins in Fe-Porphyrins to a Ferromagnetic Substrate. Journal of Physical Chemistry Letters, 2011, 2, 1455-1459.	4.6	70
23	Structural transformation and spin-reorientation transition in epitaxial Fe/Cu3Au(100) ultrathin films. Physical Review B, 1997, 55, 5886-5897.	3.2	69
24	A Closer Look Into Magnetism: Opportunities With Synchrotron Radiation. IEEE Transactions on Magnetics, 2009, 45, 15-57.	2.1	66
25	Reversing the Thermal Stability of a Molecular Switch on a Gold Surface: Ring-Opening Reaction of Nitrospiropyran. Journal of the American Chemical Society, 2009, 131, 12729-12735.	13.7	65
26	Vacuum-evaporable spin-crossover complexes: physicochemical properties in the crystalline bulk and in thin films deposited from the gas phase. Journal of Materials Chemistry C, 2015, 3, 7870-7877.	5.5	65
27	Magnetic interface coupling in single-crystalline Co/FeMn bilayers. Physical Review B, 2002, 65, .	3.2	63
28	Magnetic dichroism in valence band photoemission. Reports on Progress in Physics, 2001, 64, 147-204.	20.1	62
29	Three-Dimensional Noncollinear Antiferromagnetic Order in Single-Crystalline FeMn Ultrathin Films. Physical Review Letters, 2004, 92, 017201.	7.8	62
30	Perpendicular anisotropy and spin reorientation in epitaxial Fe/Cu3Au(100) thin films. Physical Review B, 1995, 51, 12563-12578.	3.2	61
31	Ferromagnetic Coupling of Mononuclear Fe Centers in a Self-Assembled Metal-Organic Network on Au(111). Physical Review Letters, 2012, 109, 267207.	7.8	60
32	Fe-porphyrin monolayers on ferromagnetic substrates: Electronic structure and magnetic coupling strength. Physical Review B, 2007, 76, .	3.2	58
33	Structural and magnetic properties of epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Co</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math> bilayers on Ag(001). Physical Review B, 2008, 77, .	3.2	56
34	Composition-driven spin-reorientation transition in ferromagnetic alloy films. Physical Review B, 1998, 57, R3209-R3212.	3.2	53
35	Angle-resolved study of magnetic dichroism in photoemission using linearly polarized light. Physical Review B, 1995, 51, 609-612.	3.2	52
36	Manipulation of spin state of iron porphyrin by chemisorption on magnetic substrates. Physical Review B, 2013, 88, .	3.2	50

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37	Spinâ€Crossover Molecules on Surfaces: From Isolated Molecules to Ultrathin Films. Advanced Materials, 2021, 33, e2008141.	21.0	49
38	Magnetic-circular-dichroism study of the valence states of perpendicularly magnetized Ni(001) films. Physical Review B, 1996, 53, 11621-11630.	3.2	48
39	Growth, morphology, and crystalline structure of ultrathin Fe films on Cu3Au(100). Surface Science, 1998, 410, 290-311.	1.9	45
40	Induced Fe and Mn magnetic moments in Co-FeMn bilayers on Cu(001). Physical Review B, 2003, 67, .	3.2	45
41	Microspectroscopic two-dimensional Fermi surface mapping using a photoelectron emission microscope. Review of Scientific Instruments, 2003, 74, 2754-2758.	1.3	45
42	Controlling the magnetism of adsorbed metalâ€“organic molecules. Journal of Physics Condensed Matter, 2017, 29, 023001.	1.8	44
43	Microwave-induced dynamic switching of magnetic skyrmion cores in nanodots. Applied Physics Letters, 2015, 106, .	3.3	43
44	Interplay between structure and magnetism in Fe/Cu(1 0 0) upon temperature variation. Journal of Magnetism and Magnetic Materials, 1997, 174, 40-56.	2.3	42
45	Element-Selective Magnetic Imaging in Exchange-Coupled Systems by Magnetic Photoemission Microscopy. Surface Review and Letters, 1998, 05, 1241-1248.	1.1	41
46	Layer-resolved imaging of magnetic interlayer coupling by domain-wall stray fields. Physical Review B, 2003, 67, .	3.2	39
47	Spin polarization of single-crystalline Co2MnSi films grown by PLD on GaAs(001). Journal of Magnetism and Magnetic Materials, 2005, 286, 336-339.	2.3	37
48	Competition between in-plane and out-of-plane magnetization in exchange-coupled magnetic films. Physical Review B, 2002, 65, .	3.2	35
49	Edge atoms do all the work. Nature Materials, 2003, 2, 505-506.	27.5	33
50	Switching-mode-dependent magnetic interlayer coupling strength in spin valves and magnetic tunnel junctions. Physical Review B, 2004, 69, .	3.2	33
51	Iron porphyrin molecules on Cu(001): Influence of adlayers and ligands on the magnetic properties. Physical Review B, 2013, 87, .	3.2	33
52	Magnetic Microscopy of Layered Structures. Springer Series in Surface Sciences, 2015, , .	0.3	33
53	Imaging microspectroscopy of Ni/Fe/Co/Cu(001) using a photoemission microscope. Journal of Electron Spectroscopy and Related Phenomena, 2000, 109, 249-265.	1.7	31
54	Temperature, Surface, and Coverage-Induced Conformational Changes of Azobenzene Derivatives on Cu(001). Journal of Physical Chemistry C, 2009, 113, 20307-20315.	3.1	31

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55	Soft-x-ray-induced spin-state switching of an adsorbed Fe(II) spin-crossover complex. Journal of Physics Condensed Matter, 2017, 29, 394003.	1.8	31
56	Interaction of water with clean and oxygen precovered nickel surfaces. Fresenius' Journal of Analytical Chemistry, 1995, 353, 661-665.	1.5	29
57	Dynamics of Magnetic Domain Wall Motion after Nucleation: Dependence on the Wall Energy. Physical Review Letters, 2006, 96, 097204.	7.8	29
58	Pinned magnetic moments in exchange bias: Role of the antiferromagnetic bulk spin structure. Physical Review B, 2014, 89, .	3.2	29
59	XPS lineshape analysis of potassium coadsorbed with water on Ni(111). Surface Science, 1993, 287-288, 600-604.	1.9	28
60	Magnetic dichroism in photoemission as a spin-resolving probe for electronic correlations. Physical Review B, 1996, 54, R15618-R15621.	3.2	28
61	Magnetic Coupling of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Gd</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="bold">N</mml:mi><mml:mo mathvariant="bold">@</mml:mo><mml:msub><mml:mi mathvariant="bold">C</mml:mi><mml:mn>80</mml:mn></mml:msub></mml:math>Endohedral Fullerenes to a Substrate. Physical Review Letters, 2013, 111, 167203.	7.8	28
62	Epitaxial fcc Feî—¸Co alloy films on Cu(001). Thin Solid Films, 1996, 275, 262-265.	1.8	25
63	Artificially ordered FeCu alloy superlattices on Cu(001). II. Spin-resolved electronic properties and magnetic dichroism. Physical Review B, 1998, 58, 8556-8565.	3.2	25
64	Structural and magnetic phases of Fe in Fe/Ni(001) and Fe/Ni81Fe19(001) multilayers. Journal of Magnetism and Magnetic Materials, 1998, 184, 127-136.	2.3	24
65	Magnetic dichroism in UV photoemission at off-normal emission: Study of the valence bands. Physical Review B, 1997, 55, 2594-2599.	3.2	23
66	Growth, structure, and magnetism of single-crystallineNixMn100âˆ’xfilms andNiMnâ•Cobilayers on Cu(001). Physical Review B, 2006, 74, .	3.2	23
67	Influence of domain wall interactions on nanosecond switching in magnetic tunnel junctions. Physical Review B, 2005, 72, .	3.2	22
68	Ultrafast Optically Induced Ferromagnetic State in an Elemental Antiferromagnet. Physical Review Letters, 2021, 126, 107202.	7.8	22
69	Site-specific bonding of copper adatoms to pyridine end groups mediating the formation of two-dimensional coordination networks on metal surfaces. Physical Review B, 2014, 89, .	3.2	21
70	Exploring spin valve magnetization reversal dynamics with temporal, spatial and layer resolution: Influence of domain-wall energy. Applied Physics Letters, 2004, 85, 440-442.	3.3	19
71	Huge magnetically coupled orbital moments of Co porphyrin molecules and their control by CO adsorption. Physical Review B, 2013, 88, .	3.2	19
72	Seeded epitaxy of Co90Fe10/Cu multilayers on MgO(001): Influence of Fe seed layer thickness. Journal of Applied Physics, 1998, 83, 4709-4713.	2.5	18

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73	Interrelation of morphology, structure, and magnetism in FexCo1â^'x/Cu(100) epitaxial alloy films. Journal of Magnetism and Magnetic Materials, 2000, 212, 307-322.	2.3	18
74	MAGNETIC MICROSPECTROSCOPY BY A COMBINATION OF XMCD AND PEEM. Surface Review and Letters, 2002, 09, 877-881.	1.1	18
75	Micromagnetic properties of the Cu/Ni crossed-wedge film on Cu(001). Surface Science, 2002, 514, 151-155.	1.9	18
76	Time and layer resolved magnetic domain imagig of FeNi/Cu/Co trilayers using x-ray photoelectron emission microscopy (invited). Journal of Applied Physics, 2004, 95, 6533-6536.	2.5	18
77	Europium Cyclooctatetraene Nanowire Carpets: A Low-Dimensional, Organometallic, and Ferromagnetic Insulator. Journal of Physical Chemistry Letters, 2019, 10, 911-917.	4.6	18
78	Effect of ligand methylation on the spin-switching properties of surface-supported spin-crossover molecules. Journal of Physics Condensed Matter, 2020, 32, 114003.	1.8	18
79	Direct evidence for complete antiferromagnetic coupling between Co films epitaxially grown on Cu(1) Tj ETQq1 1 0.784314 rgBT /Ove	2.3	16
80	Photoelectron diffraction in magnetic dichroism: Surface live magnetic layers in fcc Fe/Co(001). Physical Review B, 1998, 58, 15426-15429.	3.2	16
81	Mobility of domain wall motion in the permalloy layer of a spin-valve-like trilayer. Journal of Magnetism and Magnetic Materials, 2005, 293, 863-871.	2.3	16
82	Dominant role of thermal magnon excitation in temperature dependence of interlayer exchange coupling: Experimental verification. Physical Review B, 2007, 75, .	3.2	16
83	Magnetic dichroisms in absorption and photoemission for magnetic characterization in x-ray photoelectron emission microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2543.	1.6	15
84	Spin-pumping-enhanced magnetic damping in ultrathin Cu(001)/Co/Cu and Cu(001)/Ni/Cu films. Journal of Magnetism and Magnetic Materials, 2010, 322, 2065-2070.	2.3	15
85	In Situ Hydrolysis of Imine Derivatives on Au(111) for the Formation of Aromatic Mixed Self-Assembled Monolayers: Multitechnique Analysis of This Tunable Surface Modification. Langmuir, 2012, 28, 358-366.	3.5	15
86	Probing antiferromagnetism in NiMn/Ni/(Co)/Cu3Au(001) single-crystalline epitaxial thin films. Journal of Applied Physics, 2013, 113, .	2.5	15
87	Modifying the Magnetic Anisotropy of an Iron Porphyrin Molecule by an on-Surface Ring-Closure Reaction. Journal of Physical Chemistry C, 2019, 123, 14547-14555.	3.1	15
88	Steering of magnetic domain walls by single ultrashort laser pulses. Physical Review B, 2019, 99, .	3.2	15
89	Equilibrium determination of H2O desorption kinetic parameters of H2O/K/Ni(111). Journal of Chemical Physics, 1994, 101, 1687-1692.	3.0	14
90	X-ray Magnetic Circular Dichroism for Quantitative Element-Resolved Magnetic Microscopy. Physica Scripta, 2004, T109, 89.	2.5	14

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91	Huge magnetocrystalline anisotropy of x-ray linear dichroism observed onCoâ•FeMnbilayers. Physical Review B, 2007, 75, .	3.2	14
92	Growth, structure, and magnetic properties of epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ni</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> layers and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow></mml:math>. Physical Review B, 2010, 82, .	3.2	14
93	Spin-resolved substrate band mapping in Fe/Cu(100): Application of the spin-filter effect. Physical Review B, 1995, 51, 12627-12632.	3.2	13
94	Element-selective mapping of magnetic moments in ultrathin magnetic films using a photoemission microscope. Surface Science, 2001, 480, 153-162.	1.9	13
95	Reversible Switching of Spiropyran Molecules in Direct Contact With a Bi(111) Single Crystal Surface. Advanced Functional Materials, 2017, 27, 1702280.	14.9	13
96	Spin-dependent surface transmission in 3dmetals: Implications for magnetic-dichroism measurements of the valence bands. Physical Review B, 1995, 52, 6174-6177.	3.2	12
97	Magnetic dichroism study of the valence-band structure of perpendicularly magnetized Co/Cu(111). Physical Review B, 1998, 57, 5340-5346.	3.2	12
98	Metastable Domain Structures of Ferromagnetic Microstructures Observed by Soft X-Ray Magnetic Circular Dichroism Microscopy. Japanese Journal of Applied Physics, 2000, 39, L585-L587.	1.5	12
99	Structural and magnetic properties of Fe thin films onCu90Au10(001). Physical Review B, 2000, 63, .	3.2	12
100	Local exchange bias observed by photoemission microscopy. Journal of Magnetism and Magnetic Materials, 2003, 261, 1-6.	2.3	12
101	Surface morphology of antiferromagnetic Fe50Mn50 layers on Cu(001). Surface Science, 2004, 566-568, 221-225.	1.9	12
102	Influence of exchange bias coupling on the single-crystalline FeMn ultrathin film. Applied Physics Letters, 2005, 86, 122504.	3.3	12
103	Magnetic Imaging. , 2006, , 275-320.		12
104	Spin-polarized scanning tunneling microscopy study of Mn/Co/Cu(001) using a bulk Fe ring probe. Applied Physics Letters, 2012, 101, .	3.3	12
105	Spin-resolved photoemission and band-mapping in epitaxial fcc FeCo alloys on Cu(100). Journal of Magnetism and Magnetic Materials, 1997, 165, 250-253.	2.3	11
106	Quantitative x-ray magnetic circular dichroism microspectroscopy of Fe/Co/Cu(001) using a photoemission microscope. Journal of Applied Physics, 2000, 87, 5747-5749.	2.5	11
107	Layer-resolved microscopy of magnetic domains in multi-layered systems. Applied Physics A: Materials Science and Processing, 2003, 76, 665-671.	2.3	11
108	Exchange coupling between ferro- and antiferromagnetic layers across a non-magnetic interlayer: Co/Cu/FeMn on Cu(001). Journal of Physics Condensed Matter, 2004, 16, 9181-9190.	1.8	11

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109	Magnetic anisotropy in surface-supported single-ion lanthanide complexes. Physical Review B, 2016, 94, .	3.2	11
110	Highly Efficient and Bidirectional Photochromism of Spirooxazine on Au(111). Journal of Physical Chemistry C, 2018, 122, 8031-8036.	3.1	11
111	Surface-orientation- and ligand-dependent quenching of the spin magnetic moment of Co porphyrins adsorbed on Cu substrates. Physical Chemistry Chemical Physics, 2020, 22, 12688-12696.	2.8	11
112	Influence of ferromagnetic-antiferromagnetic coupling on the antiferromagnetic ordering temperature inNi/FexMn1â^'xbilayers. Physical Review B, 2010, 81, .	3.2	10
113	Thermal melting of magnetic stripe domains. Physical Review B, 2011, 83, .	3.2	10
114	Switching the electronic properties of Co-octaethylporphyrin molecules on oxygen-covered Ni films by NO adsorption. Journal of Physics Condensed Matter, 2012, 24, 394008.	1.8	10
115	Movement of magnetic domain walls induced by single femtosecond laser pulses. Physical Review B, 2016, 94, .	3.2	10
116	Correlation between ferromagnetic resonance and densification of RE substituted polycrystalline ferrites. Ceramics International, 2018, 44, 13328-13334.	4.8	10
117	Magnetic domain coupling study in single-crystalline Fe/CoO bilayers. Journal of Physics Condensed Matter, 2009, 21, 185004.	1.8	9
118	Tailoring interlayer coupling and coercivity in Co/Mn/Co trilayers by controlling the interface roughness. Journal of Applied Physics, 2014, 115, .	2.5	9
119	Thermal- and Light-Induced Spin-Crossover Characteristics of a Functional Iron(II) Complex at Submonolayer Coverage on HOPG. Journal of Physical Chemistry C, 2021, 125, 13925-13932.	3.1	9
120	Interplay between magnetic anisotropy and interlayer coupling in nanosecond magnetization reversal of spin-valve trilayers. Physical Review B, 2005, 71, .	3.2	8
121	Magnetic circular dichroism study of Feâ^•Coâ^•Cu(001) using electron yield x-ray absorption spectroscopy with different probe depths. Journal of Applied Physics, 2005, 97, 103527.	2.5	8
122	Magnetism-induced symmetry breaking in photoelectron diffraction patterns. Physical Review B, 2005, 71, .	3.2	8
123	Influence of topography and Co domain walls on the magnetization reversal of the FeNi layer inFeNiâ^•Al2O3â^•Comagnetic tunnel junctions. Physical Review B, 2006, 74, .	3.2	8
124	In-situ formation and detailed analysis of imine bonds forÂtheÂconstruction of conjugated aromatic monolayers onÂAu(111). Applied Physics A: Materials Science and Processing, 2008, 93, 293-301.	2.3	8
125	Time-resolved magnetization dynamics of cross-tie domain walls in permalloy microstructures. Journal of Physics Condensed Matter, 2009, 21, 496001.	1.8	8
126	X-ray absorption from large molecules at metal surfaces: Theoretical and experimental results for Co-OEP on Ni(100). Journal of Chemical Physics, 2012, 137, 194703.	3.0	8

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127	Concentration- and thickness-dependent magnetic properties of Ni_xMn_{100â^'x}in epitaxially grown Ni_xMn_{100â^'x}/Ni/(Co/)Cu₃Au(001). Journal of Physics Condensed Matter, 2013, 25, 386005.	1.8	8
128	X-ray-Induced Reversible Switching of an Azobenzene Derivative Adsorbed on Bi(111). Journal of Physical Chemistry C, 2014, 118, 12916-12922.	3.1	8
129	Tuning the Electronic Properties of Rotated Graphene on Ni(111) by Nickel Carbide Intercalation. Journal of Physical Chemistry C, 2016, 120, 1546-1555.	3.1	8
130	Light-induced photoisomerization of a diarylethene molecular switch on solid surfaces. Journal of Physics Condensed Matter, 2017, 29, 374001.	1.8	8
131	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metalâ€"Organic Coordination. Small, 2021, 17, e2102753.	10.0	8
132	Fe structural and magnetic phases in Fe/Ni 81 Fe 19 (001) multilayers. Europhysics Letters, 1997, 37, 465-470.	2.0	7
133	Artificial FeCu(100) epitaxial ordered alloy films: Element-selective magnetic properties. Journal of Applied Physics, 1998, 83, 7019-7021.	2.5	7
134	Magnetic dichroism in Co films on Cu(001) using unpolarized light. Journal of Electron Spectroscopy and Related Phenomena, 2001, 113, 137-152.	1.7	7
135	Layer-resolved magnetic imaging of spin-reorientation transitions in Ni/Cu/Co trilayers. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1246-1248.	2.3	7
136	Search for multi-atom resonant photoemission in magnetic thin films. Journal of Electron Spectroscopy and Related Phenomena, 2002, 123, 11-18.	1.7	7
137	Magnetostatic coupling of 90Â° domain walls in Fe₁₉Ni₈₁/Cu/Co trilayers. New Journal of Physics, 2011, 13, 033015.	2.9	7
138	Magnetic dichroism study of the relativistic electronic structure of perpendicularly magnetized Ni/Cu(001). Journal of Applied Physics, 1996, 79, 6426.	2.5	6
139	Tailoring epitaxial growth of low-dimensional magnetic structures by using surfactants. Surface Science, 1998, 402-404, 346-350.	1.9	6
140	Magnetic structure of thin films ofFexMn1â^'xon Cu(100)/Co by the fully relativistic screened KKR method. Physical Review B, 2003, 67, .	3.2	6
141	Size dependence of magnetic switching in perpendicularly magnetized MgO/Co/Pt pillars close to the spin reorientation transition. Applied Physics Letters, 2014, 104, 012404.	3.3	6
142	Influence of NixMn1â^'x thickness and composition on the Curie temperature of Ni in NixMn1â^'x/Ni bilayers on Cu3Au(001). Journal of Magnetism and Magnetic Materials, 2015, 373, 151-154.	2.3	6
143	Spin-state transition in antiferromagneticNi0.4Mn0.6films in Ni/NiMn/Ni trilayers on Cu(001). Physical Review B, 2016, 93, .	3.2	6
144	Kinetics of H₂O Adsorption on Clean and Potassium Precovered Ni(111) Surfaces. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 356-359.	0.9	5

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145	Comparison of magnetism and morphology of ultrathin Fe films on Cu(100) and Cu3Au(100). Thin Solid Films, 1996, 275, 99-102.	1.8	5
146	Adsorption of carboxymethylester-azobenzene on copper andÂgoldÂsingle crystal surfaces. Applied Physics A: Materials Science and Processing, 2008, 93, 261-266.	2.3	5
147	Suppression of magnetization ripple by exchange bias. Physical Review B, 2009, 79, .	3.2	5
148	Magnetic dichroism in angle-resolved UV photoemission from valence bands, using linearly polarized light. Journal of Applied Physics, 1996, 79, 6504.	2.5	5
149	Accelerating the laser-induced demagnetization of a ferromagnetic film by antiferromagnetic order in an adjacent layer. Physical Review B, 2020, 102, .	3.2	5
150	Modification of photoelectron spectra by lattice and spin disorder. Physica Scripta, 1990, 41, 634-635.	2.5	4
151	Domain wall dynamics and interlayer interactions in magnetic trilayer systems studied by XMCD-PEEM. Applied Physics A: Materials Science and Processing, 2008, 92, 505-510.	2.3	4
152	A new sample holder for laser-excited pump-probe magnetic measurements on a Focus photoelectron emission microscope. Review of Scientific Instruments, 2008, 79, 033702.	1.3	4
153	Temperature-induced sign change of the magnetic interlayer coupling in Ni/Ni25Mn75/Ni trilayers on Cu3Au(001). Journal of Applied Physics, 2015, 117, 175302.	2.5	4
154	Coupling of pinned magnetic moments in an antiferromagnet to a ferromagnet and its role for exchange bias. Journal of Physics Condensed Matter, 2020, 32, 075801.	1.8	4
155	Influence of a Cr seed layer on the magnetic anisotropy of epitaxial Fe/Ag films on MgO(001). Applied Physics A: Materials Science and Processing, 2008, 92, 381-385.	2.3	3
156	Layer-dependent properties and noncollinear spin structure of epitaxial antiferromagnetic Mn films on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:mi>Cu</mml:m Physical Review B, 2015, 91, .	3.2	3
157	Optical differential reflectance spectroscopy for photochromic molecules on solid surfaces. Review of Scientific Instruments, 2018, 89, 033113.	1.3	3
158	Bulk and Interfacial Effects in the Co/NixMn100â^'x Exchangeâ€Bias System due to Creation of Defects by Ar+ Sputtering. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100195.	2.4	3
159	Investigating ferromagnetic band structure with magnetic circular dichroism in valence band photoemission. Synchrotron Radiation News, 1997, 10, 18-21.	0.8	2
160	Magnetic domain investigation in Co/Cu/FeMn trilayers. Journal of Applied Physics, 2004, 95, 7504-7506.	2.5	1
161	Imaging Magnetic Microspectroscopy. Nanoscience and Technology, 2005, , 1-28.	1.5	1
162	Layerâ€resolved magnetic domain imaging using Xâ€ray photoelectron emission microscopy. Synchrotron Radiation News, 2002, 15, 12-16.	0.8	0

#	Article	IF	Citations
163	Theoretical study of the local atomic and electronic structure of dimetacyano azobenzene molecules on Bi (111) substrate. Journal of Physics: Conference Series, 2013, 430, 012036.	0.4	0
164	The Growth and Crystalline Structure of Ultrathin Mn Films on Ni(111). Physica Status Solidi (B): Basic Research, 2018, 255, 1800173.	1.5	0
165	Comparison of magnetism and morphology of ultrathin Fe films on Cu(100) and Cu3Au(100). , 1996, , 99-102.		0
166	Influence of magnetic domain walls on all-optical magnetic toggle switching in a ferrimagnetic GdFe film. Beilstein Journal of Nanotechnology, 2022, 13, 74-81.	2.8	0