

Thomas BrÄ¼ckel

List of Publications by Year in descending order

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papers

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citations

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253
docs citations

253
times ranked

4673
citing authors

#	ARTICLE	IF	CITATIONS
1	New Polarized Neutron Diffraction Setup for Precise High-Field Investigations of Magnetic Structures up to 8 T at MLZ. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0
2	Complex magnetic structure and spin waves of the noncollinear antiferromagnet Mn_5Te_8 . Physical Review B, 2022, 105, .	3.2	1
3	Bulk domain Meissner state in the ferromagnetic superconductor EuFe_2As_2 : Consequence of com. Physical Review B, 2022, 105, .	3.2	1
4	Nanoparticle-induced morphological transformation in block copolymer-based nanocomposites. Nanoscale, 2022, 14, 8766-8775.	5.6	1
5	Spin waves in the collinear antiferromagnetic phase of Mn_2Te . Physical Review B, 2021, 103, .	5.5	1
6	Mechanism of magnetization reduction in iron oxide nanoparticles. Nanoscale, 2021, 13, 6965-6976.	5.6	25
7	Simultaneous observation of anti-damping and the inverse spin Hall effect in the $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Pt}$ bilayer system. Nanoscale, 2021, 13, 2714-2719.	5.6	12
8	Determination of the neutron yield of Be, V and Ta targets irradiated with protons (22-42 MeV) by means of prompt gamma neutron activation analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 990, 164989.	1.6	5
9	Unravelling Magnetic Nanochain Formation in Dispersion for In Vivo Applications. Advanced Materials, 2021, 33, e2008683.	21.0	11
10	Monte Carlo simulation of proton- and neutron-induced radiation damage in a tantalum target irradiated by 70 MeV protons. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	6
11	Tailoring neutron beam properties by target-moderator-reflector optimisation. Journal of Neutron Research, 2021, 23, 185-200.	1.1	3
12	Developments of a multiplexer system for the High-Brilliance Neutron Source HBS. Journal of Neutron Research, 2021, 23, 143-156.	1.1	2
13	Performance of neutron guide systems for low energy accelerator-driven neutron facilities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1009, 165479.	1.6	4
14	Topological magnon insulators in two-dimensional van der Waals ferromagnets CrSiTe_3 and CrGeTe_3 : Toward intrinsic gap-tunability. Science Advances, 2021, 7, eabi7532.	10.3	56
15	Unexpected precipitates in conjunction with layer-by-layer growth in Mn-enriched $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films. Thin Solid Films, 2021, 735, 138862.	1.8	2
16	Signature of antiphase boundaries in iron oxide nanoparticles. Journal of Applied Crystallography, 2021, 54, 1719-1729.	4.5	9
17	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	1.6	90
18	Strong size selectivity in the self-assembly of rounded nanocubes into 3D mesocrystals. Nanoscale Horizons, 2020, 5, 1065-1072.	8.0	9

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19	Proton Beam Multiplexer Developments for Multi-Target Operation at the High-Brilliance Neutron Source HBS. EPJ Web of Conferences, 2020, 231, 02002.	0.3	4
20	Self assembled monolayer of silica nanoparticles with improved order by drop casting. RSC Advances, 2020, 10, 18339-18347.	3.6	16
21	Energy and target material dependence of the neutron yield induced by proton and deuteron bombardment. EPJ Web of Conferences, 2020, 231, 03006.	0.3	10
22	Cryostat for the provision of liquid hydrogen with a variable ortho-para ratio for a low-dimensional cold neutron moderator. EPJ Web of Conferences, 2020, 231, 04001.	0.3	6
23	Sustainable neutrons for today and tomorrowâ€”The JÄ¼lich High Brilliance neutron Source project. Neutron News, 2020, 31, 37-43.	0.2	8
24	Tailoring superconducting states in superconductor-ferromagnet hybrids. New Journal of Physics, 2020, 22, 093001.	2.9	7
25	Tuning the Co/Sr stoichiometry of SrCoO _{2.5} thin films by RHEED assisted MBE growth. Materials Research Express, 2020, 7, 116404.	1.6	4
26	Direct measurements of the magneto-caloric effect of MnFe ₄ Si ₃ in pulsed magnetic fields. Journal of Alloys and Compounds, 2019, 805, 1161-1167.	5.5	8
27	Total interference between nuclear and magnetovibrational one-phonon scattering cross sections. Journal of Physics: Conference Series, 2019, 1316, 012018.	0.4	0
28	Control of the stripe domain pattern in L10-ordered FePd thin films. Journal of Magnetism and Magnetic Materials, 2019, 476, 483-486.	2.3	4
29	Reversible Control of Physical Properties via an Oxygenâ€”Vacancyâ€”Driven Topotactic Transition in Epitaxial La _{0.7} Sr _{0.3} MnO ₃ Thin Films. Advanced Materials, 2019, 31, e1806183.	21.0	64
30	Magnetolectric coupling in iron oxide nanoparticleâ€”barium titanate composites. Journal Physics D: Applied Physics, 2019, 52, 065301.	2.8	6
31	The JÄ¼lich high brilliance neutron source project â€” Improving access to neutrons. Physica B: Condensed Matter, 2019, 570, 345-348.	2.7	13
32	Effect of magnetic fullerene on magnetization reversal created at the Fe/C60 interface. Scientific Reports, 2018, 8, 5515.	3.3	21
33	Spectrometers for compact neutron sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 884, 59-63.	1.6	9
34	Compact and easy to use mesitylene cold neutron moderator for CANS. Physica B: Condensed Matter, 2018, 551, 377-380.	2.7	2
35	Studies on the adsorption and desorption of mitoxantrone to lauric acid/albumin coated iron oxide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 161, 18-26.	5.0	21
36	Workhorse Scattering Instruments for Low Power Compact Accelerator Driven Neutron Sources. , 2018, , .		0

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37	Parametric study and design improvements for the target of NOVA-ÅERA. Journal of Neutron Research, 2018, 20, 47-54.	1.1	2
38	Uniaxial and hydrostatic pressure effects in RuCl_3 single crystals via thermal-expansion measurements. Journal of Physics Condensed Matter, 2018, 30, 385702.	1.8	15
39	Spin Fluctuations Drive the Inverse Magnetocaloric Effect in Mn_5Si_7 . Physical Review Letters, 2018, 120, 257205.	7.8	25
40	The high-intensity reflectometer of the Jülich Centre for Neutron Science: MARIA. Journal of Applied Crystallography, 2018, 51, 646-654.	4.5	49
41	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. Scientific Reports, 2017, 7, 2802.	3.3	66
42	Quasielastic and low-energy inelastic neutron scattering study of HoCrO_3 by high resolution time-of-flight neutron spectroscopy. Journal of Physics Condensed Matter, 2017, 29, 475802.	1.8	1
43	Magnetism of monomer MnO and heterodimer FePt@MnO nanoparticles. Physical Review B, 2017, 95, .	3.2	5
44	Spin dynamics of the magnetocaloric compound MnFe_4Mn . Physical Review B, 2017, 96, .	3.2	5
45	Magnetic properties and spin structure of MnO single crystal and powder. Journal of Physics: Conference Series, 2017, 862, 012027.	0.4	8
46	Strain and electric-field control of magnetism in supercrystalline iron oxide nanoparticle- BaTiO_3 composites. Nanoscale, 2017, 9, 12957-12962.	5.6	14
47	Towards Compact Accelerator Driven Neutron sources for Europe. Neutron News, 2017, 28, 20-25.	0.2	3
48	Magnetic excitations in the ground state of $\text{Yb}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2017, 96, .	3.2	14
49	Macroscopic nanoparticle assemblies: exploring the structural and magnetic properties of large supercrystals. Materials Today: Proceedings, 2017, 4, S146-S153.	1.8	3
50	High brilliant thermal and cold moderator for the HBS neutron source project Jülich. Journal of Physics: Conference Series, 2016, 746, 012036.	0.4	9
51	Phase diagram of Eu magnetic ordering in Eu_2O_3 . Physical Review B, 2016, 94, .	0.784314	28
52	A versatile UHV transport and measurement chamber for neutron reflectometry under UHV conditions. Review of Scientific Instruments, 2016, 87, 123909.	1.3	7
53	The upgrade of the cold neutron three-axis spectrometer IN12 at the ILL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 819, 89-98.	1.6	25
54	Frozen O_2 layer revealed by neutron reflectometry. Results in Physics, 2016, 6, 263-264.	4.1	1

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55	Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites $\text{LuM}_{1-x}\text{Ln}_x\text{M}_2\text{O}_{10}$. Physical Review B, 2016, 93, .	3.2	20
56	Magnetic structures of the Eu and Cr moments in EuCr_2As_2 . Neutron diffraction study. Physical Review B, 2016, 94, .	3.2	12
57	Hyperfine and crystal field interactions in multiferroic HoCrO_3 . Journal of Physics Condensed Matter, 2016, 28, 476001.	1.8	23
58	Magnetic polarization of Ir in underdoped nonsuperconducting $\text{Eu}(\text{Fe}_{0.94}\text{Ir}_{0.06})_2\text{As}_2$. Physical Review B, 2016, 93, .	3.2	7
59	Spin-wave and electromagnon dispersions in multiferroic MnWO_4 as observed by neutron spectroscopy: Isotropic Heisenberg exchange versus anisotropic Dzyaloshinskii-Moriya interaction. Physical Review B, 2016, 93, .	3.2	8
60	Tuning the structure and habit of iron oxide mesocrystals. Nanoscale, 2016, 8, 15571-15580.	5.6	29
61	Field-induced self-assembly of iron oxide nanoparticles investigated using small-angle neutron scattering. Nanoscale, 2016, 8, 18541-18550.	5.6	36
62	The Jülich high-brilliance neutron source project. European Physical Journal Plus, 2016, 131, 1.	2.6	41
63	Magnetic ground state of superconducting MgB_2 . Physical Review B, 2016, 93, .		

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73	Toward a better understanding of the magnetocaloric effect: An experimental and theoretical study of MnFe ₄ Si ₃ . Journal of Solid State Chemistry, 2014, 216, 56-64.	2.9	14
74	Chopper layout for spectrometers at long pulse neutron sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 741, 26-32.	1.6	13
75	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. Physical Review B, 2014, 89, .	3.2	9
76	Magnetization, crystal structure and anisotropic thermal expansion of single-crystal SrEr ₂ O ₄ . RSC Advances, 2014, 4, 53602-53607.	3.6	13
77	Magnetization-steps in Y ₂ CoMnO ₆ double perovskite: The role of antisite disorder. Journal of Applied Physics, 2014, 116, .	2.5	59
78	A method to compute the covariance matrix of wavevector-energy transfer for neutron time-of-flight spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 736, 31-39.	1.6	9
79	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO ₃ films. Physical Review B, 2013, 88, .	3.2	20
80	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. Nanoscale, 2013, 5, 3969.	5.6	52
81	Spin-phonon coupling in K _{0.67} Sr _{0.33} Fe ₂ As ₂ . Physical Review B, 2013, 88, .	3.2	34
82	Spin-phonon coupling in K _{0.67} Sr _{0.33} Fe ₂ As ₂ . Physical Review B, 2013, 88, .	3.2	17
83	Magnetic anisotropy in hole-doped superconducting Ba _{1-x} K _x Fe ₂ As ₂ . Physical Review B, 2013, 88, .	5.6	43
84	2D to 3D crossover of the magnetic properties in ordered arrays of iron oxide nanocrystals. Nanoscale, 2013, 5, 953-960.	3.2	27
85	Direct observation of low energy nuclear spin excitations in HoCrO ₃ by high resolution neutron spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 286003.	1.8	4
87	Pairing symmetries by neutron spin resonance in superconducting NaFe _{1-x} Co _x As. Physical Review B, 2013, 88, .	3.2	9
88	Inelastic neutron scattering study of crystal field excitations of Nd ³⁺ in NdFeAsO. Physical Review B, 2013, 88, .	3.2	9
89	Magnetization distribution and orbital moment in the nonsuperconducting chalcogenide compound K _{0.8} Fe _{1.6} Se ₂ . Physical Review B, 2013, 88, .	3.2	1
90	Magnetic structure of superconducting Eu(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2013, 88, .	3.2	35

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91	Phase of $K_2Fe_2O_7$ with anisotropic energy gap and low-energy spin wave excitation in the antiferromagnetic block structure. Physical Review B, 2012, 85, .	3.2	6
92	Evidence of Spin Resonance Signal in Oxygen Free Superconducting $CaFe_{0.88}Co_{0.12}AsF$: An Inelastic Neutron Scattering Study. Journal of the Physical Society of Japan, 2013, 82, 104716.	1.6	3
93	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. New Journal of Physics, 2012, 14, 013025.	2.9	100
94	Anomalous in-plane magnetoresistance in a $EuFe_2As_2$ single crystal: Evidence of strong spin-charge-lattice coupling. Physical Review B, 2012, 85, .	3.2	16
95	Pressure-driven Phase Transition in $CaFeAsF$ at 40 and 300 K. Journal of Physics: Conference Series, 2012, 377, 012034.	0.4	0
96	Possible magnetic-polaron-switched positive and negative magnetoresistance in the $GdSi$ single crystals. Scientific Reports, 2012, 2, 750.	3.3	24
97	Study of the antiferromagnetism of Mn_5Si_3 : an inverse magnetocaloric effect material. Journal of Materials Chemistry, 2012, 22, 15275.	6.7	41
98	New neutron-guide concepts and simulation results for the POWTEX instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 680, 124-133.	1.6	28
99	Analysis of randomly oriented structures by grazing-incidence small-angle neutron scattering. Journal of Applied Crystallography, 2012, 45, 245-254.	4.5	10
100	Strong coupling of Sm and Fe magnetism in $SmFeAsO$ as revealed by magnetic x-ray scattering. Physical Review B, 2011, 84, .	3.2	33
101	Shape Induced Symmetry in Self-Assembled Mesocrystals of Iron Oxide Nanocubes. Nano Letters, 2011, 11, 1651-1656.	9.1	147
102	High quality $TbMnO_3$ films deposited on $YAlO_3$. Journal of Alloys and Compounds, 2011, 509, 5061-5063.	5.5	10
103	Physical properties, crystal and magnetic structure of layered $Fe_{1.11}Te_{1-x}Se_x$ superconductors. European Physical Journal B, 2011, 82, 113-121.	1.5	7
104	$EuFe_2As_2$: Magnetic Structure and Local Charge Distribution Anisotropies as Seen by Resonant X-ray Scattering. Journal of Superconductivity and Novel Magnetism, 2011, 24, 705-709.	1.8	4
105	The temperature evolution of the magnetic correlations in pure and diluted spin ice $Ho_2\tilde{x}YTi_2O_7$. Physica B: Condensed Matter, 2011, 406, 2393-2396.	2.7	2
106	Effect of substitution of Y on the structural, magnetic, and thermal properties of hexagonal $DyMnO_3$ single crystals. Physical Review B, 2011, 83, .	3.2	14
107	Magnetic correlations in $HoxTb_{2\tilde{x}}Ti_2O_7$. Physical Review B, 2011, 83, .	3.2	7
108	Pressure dependence of the low-temperature crystal structure and phase transition behavior of $CaFeAsF$ and $SrFeAsF$: A synchrotron x-ray diffraction study. Physical Review B, 2011, 84, .	3.2	11

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109	High-pressure and low-temperature synchrotron x-ray diffraction study of BaFe_2As_2 . <i>Physical Review B</i> , 2010, 81, .	3.2	101
110	High-Pressure Structural Phase Transitions in FeAs Based Compounds at Ambient and Low Temperatures. , 2011, , .		0
111	Preparation and analysis of epitaxial Fe monolayers buried in Pd. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012021.	0.4	0
112	Polarized Neutrons and Synchrotron X-rays for Magnetism Conference 2009. <i>Journal of Physics: Conference Series</i> , 2010, 211, 011001.	0.4	0
113	Magnetic correlations in pyrochlore spin ice as probed by polarized neutron scattering. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012013.	0.4	4
114	Interlayer exchange coupling in Er Tb superlattices mediated by short range incommensurate Er order. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012019.	0.4	1
115	Anomalous phonons in CaFe_2As_2 explored by inelastic neutron scattering. <i>Journal of Physics: Conference Series</i> , 2010, 251, 012008.	0.4	3
116	Soft X-ray resonant scattering study of single-crystal $\text{LaSr}_2\text{Mn}_2\text{O}_7$. <i>European Physical Journal B</i> , 2010, 74, 457-461.	1.5	3
117	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in CaFe_2As_2 . <i>Physical Review B</i> , 2010, 81, .	3.2	14
118	Magnetization distribution in the tetragonal phase of BaFe_2As_2 . <i>Physical Review B</i> , 2010, 82, .	3.2	8
119	Neutron diffraction investigation of the crystal and magnetic structures in KCrF_3 . <i>Physical Review B</i> , 2010, 82, .	3.2	21
120	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF . <i>Physical Review B</i> , 2010, 81, .	3.2	20
121	Field-induced spin reorientation and giant spin-lattice coupling in EuFe_2As_2 . <i>Physical Review B</i> , 2010, 81, .	3.2	51
122	Magnetic correlations in the spin ice $\text{Ho}_2\text{Ti}_2\text{O}_7$ as revealed by neutron polarization analysis. <i>Physical Review B</i> , 2010, 82, .	3.2	24
123	Single-particle blocking and collective magnetic states in discontinuous $\text{CoFe/Al}_2\text{O}_3$ multilayers. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 474002.	2.8	19
124	Magnetization flop in Fe/Cr GMR multilayers. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012023.	0.4	1
125	An approach to the magnetic ground state of the molecular magnet $\{\text{Mo}_{72}\text{Fe}_{30}\}$. <i>New Journal of Physics</i> , 2010, 12, 083044.	2.9	12
126	Magnetic lattice dynamics of the oxygen-free FeAs pnictides: how sensitive are phonons to magnetic ordering?. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 315701.	1.8	24

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127	Magnetic phase transition in confined MnO nanoparticles studied by polarized neutron scattering. Physical Review B, 2010, 81, .	3.2	9
128	Beam transport and polarization at TOPAS, the thermal time-of-flight spectrometer with polarization analysis. Journal of Physics: Conference Series, 2010, 211, 012032.	0.4	10
129	Antiferromagnetic ordering and structural phase transition in $\text{Ba}_{2-x}\text{Sr}_x\text{Fe}_2\text{O}_7$ incorporated from the growth flux. Physical Review B, 2009, 79, .	3.2	102
130	Magnetic order in the CaFe_2O_7 system. Physical Review B, 2009, 79, .	3.2	102

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145	Magnetization reversal in trained exchange biased multilayers. Journal of Physics Condensed Matter, 2007, 19, 086229.	1.8	4
146	Neutron-diffraction study of structural transition and magnetic order in orthorhombic and rhombohedral $\text{La}_{7/8}\text{Sr}_{1/8}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$. Journal of Physics Condensed Matter, 2007, 19, 176226.	1.8	14
147	Magnetization reversal via symmetric rotation of layers in exchange biased multilayers. Journal of Applied Physics, 2007, 101, 123913.	2.5	4
148	Strong coupling between the spin polarization of Mn and Tb in multiferroic TbMnO_3 determined by x-ray resonance exchange scattering. Physical Review B, 2007, 76, .	3.2	29
149	Correlation between structural and magnetic properties of $\text{La}_{7/8}\text{Sr}_{1/8}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ with controlled nonstoichiometry. Journal of Physics Condensed Matter, 2007, 19, 016003.	1.8	15
150	Polarized neutron reflectivity studies on granular $\text{Co}_{80}\text{Fe}_{20}/\text{Al}_2\text{O}_3$ multilayers. Physica B: Condensed Matter, 2007, 397, 65-67.	2.7	3
151	Polarized neutron reflectivity of dilute magnetic semiconductors. Physica B: Condensed Matter, 2007, 397, 59-61.	2.7	3
152	Probing lateral magnetic nanostructures by polarized GISANS. Physica B: Condensed Matter, 2007, 397, 43-46.	2.7	11
153	Contrast variation by anomalous X-ray scattering applied to investigation of the interface morphology in a giant magnetoresistance Fe/Cr/Fe trilayer. Journal of Applied Crystallography, 2007, 40, 532-538.	4.5	3
154	The angular dependence of the magnetization reversal in exchange biased multilayers. Journal of Physics Condensed Matter, 2006, 18, L149-L153.	1.8	6
155	Structural and magnetic properties of Er/Tb multilayers. European Physical Journal B, 2006, 49, 441-451.	1.5	2
156	Polarized neutron scattering studies of chiral criticality, and new universality classes of phase transitions. Physica B: Condensed Matter, 2006, 385-386, 288-294.	2.7	11
157	Modulated magnetization depth profile in dipolarly coupled magnetic multilayers. Physical Review B, 2006, 74, .	3.2	17
158	Symmetry and asymmetry during magnetization reversal in exchange biased multilayers and bilayers. Physical Review B, 2006, 73, .	3.2	22
159	Magnetization reversal with variation of the ratio of the anisotropy energies in exchange bias systems. Physical Review B, 2006, 74, .	3.2	20
160	Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering. Physical Review B, 2006, 73, .	3.2	10
161	Novel materials and concepts for neutron image plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 551, 46-51.	1.6	8
162	Optimization of a neutron image plate detector with low $\hat{\Gamma}^3$ -sensitivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 539, 236-249.	1.6	13

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163	Spin dynamics in Ho ₂ Ru ₂ O ₇ . <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7089-7095.	1.8	16
164	Superferromagnetic domain state of a discontinuous metal insulator multilayer. <i>Physical Review B</i> , 2005, 72, .	3.2	31
165	Direct observation of the interlayer exchange coupling mechanism in a magnetic [Er Tb] multilayer. <i>Europhysics Letters</i> , 2004, 65, 560-566.	2.0	5
166	LAP-ND: a new instrument for vector polarization analysis and neutron depolarization measurements at FRJ-2. <i>Physica B: Condensed Matter</i> , 2004, 350, E815-E818.	2.7	3
167	Novel type of neutron image plates based on KCl:Eu ²⁺ LiF. <i>Physica B: Condensed Matter</i> , 2004, 350, E861-E864.	2.7	0
168	Re-examination of charge and orbital ordering in lightly doped La ^{1-x} Sr ^x MnO ₃ by X-ray scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E291-E292.	2.3	2
169	Progress of ³ He spin-exchange for neutron polarization in JÄ ^{1/4} lich. <i>Physica B: Condensed Matter</i> , 2004, 350, E707-E710.	2.7	3
170	KWS-3, the new focusing-mirror ultra small-angle neutron scattering instrument and reflectometer at JÄ ^{1/4} lich. <i>Physica B: Condensed Matter</i> , 2004, 350, E779-E781.	2.7	22
171	High-energy non-resonant X-ray magnetic scattering from EuAs ₃ . <i>Solid State Communications</i> , 2004, 131, 713-717.	1.9	8
172	Neutron quantum well states in Fe/Co/Fe trilayers. <i>Physica B: Condensed Matter</i> , 2004, 350, E233-E235.	2.7	2
173	Magnetic properties of transition metal fluorides MF ₂ (M=Mn, Fe, Co, Ni) via high-energy photon diffraction. <i>Physical Review B</i> , 2004, 69, .	3.2	36
174	Magnetic properties of laterally structured Fe/Cr multilayers. <i>Physica B: Condensed Matter</i> , 2003, 335, 50-53.	2.7	10
175	Determination of the magnetic fluctuations in an Fe/Cr/Fe trilayer exhibiting a neutron resonance state. <i>Physica B: Condensed Matter</i> , 2003, 335, 89-94.	2.7	21
176	Polarized neutron methods and instrumentation for pulsed sources. <i>Physica B: Condensed Matter</i> , 2003, 335, 143-146.	2.7	0
177	Progress in the production of polarized ³ He in JÄ ^{1/4} lich. <i>Physica B: Condensed Matter</i> , 2003, 335, 278-281.	2.7	2
178	Roughness-induced enhancement of giant magnetoresistance in epitaxial Fe/Cr/Fe(001) trilayers. <i>Europhysics Letters</i> , 2002, 59, 458-464.	2.0	18
179	X-ray resonance exchange scattering from ferromagnets: A new approach and its application to EuS. <i>Europhysics Letters</i> , 2002, 59, 284-290.	2.0	7
180	Longitudinal spin fluctuations in the antiferromagnet MnF ₂ studied by polarized neutron scattering. <i>Europhysics Letters</i> , 2002, 60, 446-452.	2.0	18

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181	Structural and magnetic properties of [Er Tb] superlattices. Journal of Magnetism and Magnetic Materials, 2002, 240, 559-561.	2.3	0
182	A new thermal neutron spectrometer/diffractometer for polarization analysis (SV30) at the research reactor FRJ-2. Applied Physics A: Materials Science and Processing, 2002, 74, s107-s108.	2.3	1
183	Materials for neutron-image plates with low γ -sensitivity. Applied Physics A: Materials Science and Processing, 2002, 74, s109-s111.	2.3	6
184	Layer-by-layer magnetometry of polarizing supermirrors. Applied Physics A: Materials Science and Processing, 2002, 74, s607-s609.	2.3	12
185	Development of neutron image plate for low-flux measurements. Applied Physics A: Materials Science and Processing, 2002, 74, s118-s120.	2.3	7
186	Interlayer coupling in [Er Tb] superlattices. Applied Physics A: Materials Science and Processing, 2002, 74, s1517-s1519.	2.3	0
187	Wolfram Prandl (1935â€“2001). Journal of Applied Crystallography, 2002, 35, 143-143.	4.5	0
188	Element-specific magnetic long- and short-range order and competing interactions in Gd x Eu 1 - x S. European Physical Journal B, 2002, 26, 273-289.	1.5	0
189	Antiferromagnetic order and phase transitions in GdS as studied with X-ray resonance-exchange scattering. European Physical Journal B, 2001, 19, 475-490.	1.5	22
190	Proximity effects in Fe $_{1-x}$ Cox/Mn/Fe $_{1-x}$ Cox trilayers. Physica B: Condensed Matter, 2001, 297, 185-188.	2.7	6
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