Thomas Brckel

List of Publications by Year in Descending Order

237 papers	3,643 citations	30 h-index	47 g-index
252 ext. papers	4,035 ext. citations	3 avg, IF	4.75 L-index

#	Paper	IF	Citations
237	Signature of antiphase boundaries in iron oxide nanoparticles.. *Journal of Applied Crystallography*, **2021**, 54, 1719-1729	3.8	2
236	Unravelling Magnetic Nanochain Formation in Dispersion for In Vivo Applications. *Advanced Materials*, **2021**, 33, e2008683	24	1
235	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	2.6	0
234	Spin waves in the collinear antiferromagnetic phase of Mn5Si3. *Physical Review B*, **2021**, 103,	3.3	1
233	Mechanism of magnetization reduction in iron oxide nanoparticles. *Nanoscale*, **2021**, 13, 6965-6976	7.7	13
232	Simultaneous observation of anti-damping and the inverse spin Hall effect in the LaSrMnO/Pt bilayer system. *Nanoscale*, **2021**, 13, 2714-2719	7.7	3
231	New polarized neutron diffraction setup for precise high-field investigations of magnetic structures up to 8 T at MLZ. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	
230	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	1.2	2
229	Tailoring neutron beam properties by target-moderator-reflector optimisation. *Journal of Neutron Research*, **2021**, 23, 185-200	0.5	
228	Developments of a multiplexer system for the High-Brilliance Neutron Source HBS. *Journal of Neutron Research*, **2021**, 23, 143-156	0.5	
227	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	1.2	0
226	Topological magnon insulators in two-dimensional van der Waals ferromagnets CrSiTe and CrGeTe: Toward intrinsic gap-tunability. *Science Advances*, **2021**, 7, eabi7532	14.3	8
225	Unexpected precipitates in conjunction with layer-by-layer growth in Mn-enriched La2/3Sr1/3MnO3 thin films. *Thin Solid Films*, **2021**, 735, 138862	2.2	
224	Proton Beam Multiplexer Developments for Multi-Target Operation at the High-Brilliance Neutron Source HBS. *EPJ Web of Conferences*, **2020**, 231, 02002	0.3	3
223	Self assembled monolayer of silica nanoparticles with improved order by drop casting.. *RSC Advances*, **2020**, 10, 18339-18347	3.7	5
222	Energy and target material dependence of the neutron yield induced by proton and deuteron bombardment. *EPJ Web of Conferences*, **2020**, 231, 03006	0.3	6
221	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	2

220	Sustainable neutrons for today and tomorrow□he J□ch High Brilliance neutron Source project. *Neutron News*, **2020**, 31, 37-43	0.4	3
219	Tailoring superconducting states in superconductor-ferromagnet hybrids. *New Journal of Physics*, **2020**, 22, 093001	2.9	3
218	Tuning the Co/Sr stoichiometry of SrCoO2.5 thin films by RHEED assisted MBEgrowth. *Materials Research Express*, **2020**, 7, 116404	1.7	1
217	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	1.2	50
216	Strong size selectivity in the self-assembly of rounded nanocubes into 3D mesocrystals. *Nanoscale Horizons*, **2020**, 5, 1065-1072	10.8	5
215	Direct measurements of the magneto-caloric effect of MnFe4Si3 in pulsed magnetic fields. *Journal of Alloys and Compounds*, **2019**, 805, 1161-1167	5.7	5
214	Total interference between nuclear and magnetovibrational one-phonon scattering cross sections. *Journal of Physics: Conference Series*, **2019**, 1316, 012018	0.3	
213	Control of the stripe domain pattern in L10-ordered FePd thin films. *Journal of Magnetism and Magnetic Materials*, **2019**, 476, 483-486	2.8	2
212	Reversible Control of Physical Properties via an Oxygen-Vacancy-Driven Topotactic Transition in Epitaxial La Sr MnO Thin Films. *Advanced Materials*, **2019**, 31, e1806183	24	37
211	Magnetoelectric coupling in iron oxide nanoparticle□barium titanate composites. *Journal Physics D: Applied Physics*, **2019**, 52, 065301	3	6
210	The J□ch high brilliance neutron source project □mproving access to neutrons. *Physica B: Condensed Matter*, **2019**, 570, 345-348	2.8	9
209	Effect of magnetic fullerene on magnetization reversal created at the Fe/C interface. *Scientific Reports*, **2018**, 8, 5515	4.9	14
208	Spectrometers for compact neutron sources. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2018**, 884, 59-63	1.2	8
207	Compact and easy to use mesitylene cold neutron moderator for CANS. *Physica B: Condensed Matter*, **2018**, 551, 377-380	2.8	
206	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	6	14
205	Spin Fluctuations Drive the Inverse Magnetocaloric Effect in Mn_{5}Si_{3}. *Physical Review Letters*, **2018**, 120, 257205	7.4	12
204	The high-intensity reflectometer of the J□ch Centre for Neutron Science: MARIA. *Journal of Applied Crystallography*, **2018**, 51, 646-654	3.8	43
203	Parametric study and design improvements for the target of NOVA´ERA. *Journal of Neutron Research*, **2018**, 20, 47-54	0.5	2

202	Uniaxial and hydrostatic pressure effects in α-RuCl single crystals via thermal-expansion measurements. *Journal of Physics Condensed Matter*, **2018**, 30, 385702	1.8	5
201	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. *Scientific Reports*, **2017**, 7, 2802	4.9	57
200	Quasielastic and low-energy inelastic neutron scattering study of HoCrO by high resolution time-of-flight neutron spectroscopy. *Journal of Physics Condensed Matter*, **2017**, 29, 475802	1.8	1
199	Magnetism of monomer MnO and heterodimer FePt@MnO nanoparticles. *Physical Review B*, **2017**, 95,	3.3	4
198	Spin dynamics of the magnetocaloric compound MnFe4Si3. *Physical Review B*, **2017**, 96,	3.3	12
197	Magnetic properties and spin structure of MnO single crystal and powder. *Journal of Physics: Conference Series*, **2017**, 862, 012027	0.3	3
196	Strain and electric-field control of magnetism in supercrystalline iron oxide nanoparticle-BaTiO composites. *Nanoscale*, **2017**, 9, 12957-12962	7.7	11
195	Towards Compact Accelerator Driven Neutronsources for Europe. *Neutron News*, **2017**, 28, 20-25	0.4	3
194	Magnetic excitations in the ground state of Yb2Ti2O7. *Physical Review B*, **2017**, 96,	3.3	12
193	Macroscopic nanoparticle assemblies: exploring the structural and magnetic properties of large supercrystals. *Materials Today: Proceedings*, **2017**, 4, S146-S153	1.4	2
192	Magnetic structures of the Eu and Cr moments in EuCr2As2: Neutron diffraction study. *Physical Review B*, **2016**, 94,	3.3	10
191	Hyperfine and crystal field interactions in multiferroic HoCrO3. *Journal of Physics Condensed Matter* , **2016**, 28, 476001	1.8	15
190	Magnetic polarization of Ir in underdoped nonsuperconducting Eu(Fe0.94Ir0.06)2As2. *Physical Review B*, **2016**, 93,	3.3	7
189	Spin-wave and electromagnon dispersions in multiferroic MnWO4 as observed by neutron spectroscopy: Isotropic Heisenberg exchange versus anisotropic Dzyaloshinskii-Moriya interaction. *Physical Review B*, **2016**, 93,	3.3	8
188	Tuning the structure and habit of iron oxide mesocrystals. *Nanoscale*, **2016**, 8, 15571-80	7.7	21
187	Field-induced self-assembly of iron oxide nanoparticles investigated using small-angle neutron scattering. *Nanoscale*, **2016**, 8, 18541-18550	7.7	29
186	The JÜch high-brilliance neutron source project. *European Physical Journal Plus*, **2016**, 131, 1	3.1	33
185	High brilliant thermal and cold moderator for the HBS neutron source project JÜch. *Journal of Physics: Conference Series*, **2016**, 746, 012036	0.3	7

184	Phase diagram of Eu magnetic ordering in Sn-flux-grown Eu(Fe1−xCox)2As2 single crystals. *Physical Review B*, **2016**, 94,	3.3	17
183	A versatile UHV transport and measurement chamber for neutron reflectometry under UHV conditions. *Review of Scientific Instruments*, **2016**, 87, 123909	1.7	7
182	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	1.2	13
181	Frozen O2 layer revealed by neutron reflectometry. *Results in Physics*, **2016**, 6, 263-264	3.7	1
180	Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites LuMn1−xFexO3(0≤x≤0.3). *Physical Review B*, **2016**, 94,	3.3	13
179	KWS-1 high-resolution small-angle neutron scattering instrument at JCNS: current state. *Journal of Applied Crystallography*, **2015**, 48, 61-70	3.8	107
178	Structure, Magnetism, and the Magnetocaloric Effect of MnFe4Si3 Single Crystals and Powder Samples. *Chemistry of Materials*, **2015**, 27, 7128-7136	9.6	20
177	Magnetic ground state of superconducting Eu(Fe0.88Ir0.12)2As2: A combined neutron diffraction and first-principles calculation study. *Physical Review B*, **2015**, 91,	3.3	27
176	Low-lying magnetic excitations and magnetocaloric effect of molecular magnet K 6 [V 15 As 6 O 42 (H 2 O)] ·8H 2 O. *Europhysics Letters*, **2015**, 112, 27003	1.6	8
175	Polarization analysis for the thermal chopper spectrometer TOPAS. *EPJ Web of Conferences*, **2015**, 83, 03016	0.3	6
174	Magnetic and structural transitions in La0.4Na0.6Fe2As2 single crystals. *Physical Review B*, **2015**, 91,	3.3	14
173	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. *Physical Review B*, **2014**, 89,	3.3	7
172	Magnetization, crystal structure and anisotropic thermal expansion of single-crystal SrEr2O4. *RSC Advances*, **2014**, 4, 53602-53607	3.7	10
171	Magnetization-steps in Y2CoMnO6 double perovskite: The role of antisite disorder. *Journal of Applied Physics*, **2014**, 116, 123907	2.5	44
170	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	1.2	6
169	Incommensurate antiferromagnetic order in the manifoldly-frustrated SrTb2O4 with transition temperature up to 4.28 K. *Frontiers in Physics*, **2014**, 2,	3.9	19
168	Coexistence of superconductivity and ferromagnetism in P-doped EuFe2As2. *Physical Review B*, **2014**, 89,	3.3	61
167	Approaching the true ground state of frustrated A-site spinels: A combined magnetization and polarized neutron scattering study. *Physical Review B*, **2014**, 89,	3.3	16

166	Magnetic structure of the Eu2+ moments in superconducting EuFe2(As1−xPx)2 with x=0.19. *Physical Review B*, **2014**, 90,	3.3	29
165	Toward a better understanding of the magnetocaloric effect: An experimental and theoretical study of MnFe4Si3. *Journal of Solid State Chemistry*, **2014**, 216, 56-64	3.3	11
164	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	1.2	11
163	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO3 films. *Physical Review B*, **2013**, 88,	3.3	17
162	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. *Nanoscale*, **2013**, 5, 3969-75	7.7	46
161	Inducing exchange bias in La0.67Sr0.33MnO3/SrTiO3 thin films by strain and oxygen deficiency. *Physical Review B*, **2013**, 88,	3.3	32
160	Spin-phonon coupling in K0.8Fe1.6Se2 and KFe2Se2: Inelastic neutron scattering and ab initio phonon calculations. *Physical Review B*, **2013**, 87,	3.3	13
159	Coexistence of magnetic order and spin-glass-like phase in the pyrochlore antiferromagnet Na3Co(CO3)2Cl. *Physical Review B*, **2013**, 87,	3.3	26
158	Magnetic anisotropy in hole-doped superconducting Ba0.67K0.33Fe2As2 probed by polarized inelastic neutron scattering. *Physical Review B*, **2013**, 87,	3.3	27
157	2D to 3D crossover of the magnetic properties in ordered arrays of iron oxide nanocrystals. *Nanoscale*, **2013**, 5, 953-60	7.7	38
156	Nanosession: Multiferroic Thin Films and Heterostructures **2013**, 323-334		
155	Direct observation of low energy nuclear spin excitations in HoCrO3 by high resolution neutron spectroscopy. *Journal of Physics Condensed Matter*, **2013**, 25, 286003	1.8	4
154	Distinguishing s− and s++ electron pairing symmetries by neutron spin resonance in superconducting NaFe0.935Co0.045As. *Physical Review B*, **2013**, 88,	3.3	42
153	Inelastic neutron scattering study of crystal field excitations of Nd3+ in NdFeAsO. *Physical Review B* , **2013**, 88,	3.3	7
152	Magnetic structure of superconducting Eu(Fe0.82Co0.18)2As2 as revealed by single-crystal neutron diffraction. *Physical Review B*, **2013**, 88,	3.3	29
151	Magnetic anisotropic energy gap and low-energy spin wave excitation in the antiferromagnetic block phase of K2Fe4Se5. *Physical Review B*, **2013**, 87,	3.3	6
150	Evidence of Spin Resonance Signal in Oxygen Free Superconducting CaFe0.88Co0.12AsF: An Inelastic Neutron Scattering Study. *Journal of the Physical Society of Japan*, **2013**, 82, 104716	1.5	2
149	Analysis of randomly oriented structures by grazing-incidence small-angle neutron scattering. *Journal of Applied Crystallography*, **2012**, 45, 245-254	3.8	8

148	Possible magnetic-polaron-switched positive and negative magnetoresistance in the GdSi single crystals. *Scientific Reports*, **2012**, 2, 750	4.9	19
147	Study of the antiferromagnetism of Mn5Si3: an inverse magnetocaloric effect material. *Journal of Materials Chemistry*, **2012**, 22, 15275		29
146	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	1.2	26
145	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	85
144	Anomalous in-plane magnetoresistance in a EuFe2As2 single crystal: Evidence of strong spin-charge-lattice coupling. *Physical Review B*, **2012**, 85,	3.3	13
143	Pressure-driven Phase Transition in CaFeAsF at 40 and 300 K. *Journal of Physics: Conference Series*, **2012**, 377, 012034	0.3	
142	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. *Physical Review B*, **2011**, 84,	3.3	27
141	Shape induced symmetry in self-assembled mesocrystals of iron oxide nanocubes. *Nano Letters*, **2011**, 11, 1651-6	11.5	126
140	High quality TbMnO3 films deposited on YAlO3. *Journal of Alloys and Compounds*, **2011**, 509, 5061-5063	5.7	9
139	Physical properties, crystal and magnetic structure of layered Fe1.11Te1- x Se x superconductors. *European Physical Journal B*, **2011**, 82, 113-121	1.2	6
138	EuFe2As2: Magnetic Structure and Local Charge Distribution Anisotropies as Seen by Resonant X-ray Scattering. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 705-709	1.5	4
137	The temperature evolution of the magnetic correlations in pure and diluted spin ice Ho2YxTi2O7. *Physica B: Condensed Matter*, **2011**, 406, 2393-2396	2.8	2
136	Effect of substitution of Y on the structural, magnetic, and thermal properties of hexagonal DyMnO3 single crystals. *Physical Review B*, **2011**, 83,	3.3	11
135	Magnetic correlations in HoxTb2Ti2O7. *Physical Review B*, **2011**, 83,	3.3	4
134	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,	3.3	10
133	Ambient- and low-temperature synchrotron x-ray diffraction study of BaFe2As2 and CaFe2As2 at high pressures up to 56 GPa. *Physical Review B*, **2011**, 83,	3.3	91
132	Magnetization distribution in the tetragonal phase of BaFe2As2. *Physical Review B*, **2010**, 82,	3.3	7
131	Neutron diffraction investigation of the crystal and magnetic structures in KCrF3 perovskite. *Physical Review B*, **2010**, 82,	3.3	18

130	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF. *Physical Review B*, **2010**, 81,	3.3	18
129	Field-induced spin reorientation and giant spin-lattice coupling in EuFe2As2. *Physical Review B*, **2010**, 81,	3.3	43
128	Magnetic correlations in the spin ice Ho2−YxTi2O7 as revealed by neutron polarization analysis. *Physical Review B*, **2010**, 82,	3.3	23
127	Single-particle blocking and collective magnetic states in discontinuous CoFe/Al2O3multilayers. *Journal Physics D: Applied Physics*, **2010**, 43, 474002	3	19
126	Magnetization flop in Fe/Cr GMR multilayers. *Journal of Physics: Conference Series*, **2010**, 211, 012023	0.3	1
125	An approach to the magnetic ground state of the molecular magnet {Mo72Fe30}. *New Journal of Physics*, **2010**, 12, 083044	2.9	10
124	Magnetic lattice dynamics of the oxygen-free FeAs pnictides: how sensitive are phonons to magnetic ordering?. *Journal of Physics Condensed Matter*, **2010**, 22, 315701	1.8	23
123	Magnetic phase transition in confined MnO nanoparticles studied by polarized neutron scattering. *Physical Review B*, **2010**, 81,	3.3	6
122	Beam transport and polarization at TOPAS, the thermal time-of-flight spectrometer with polarization analysis. *Journal of Physics: Conference Series*, **2010**, 211, 012032	0.3	9
121	Preparation and analysis of epitaxial Fe monolayers buried in Pd. *Journal of Physics: Conference Series*, **2010**, 211, 012021	0.3	
120	Magnetic correlations in pyrochlore spin ice as probed by polarized neutron scattering. *Journal of Physics: Conference Series*, **2010**, 211, 012013	0.3	2
119	Interlayer exchange coupling in Er|Tb superlattices mediated by short range incommensurate Er order. *Journal of Physics: Conference Series*, **2010**, 211, 012019	0.3	1
118	Anomalous phonons in CaFe2As2explored by inelastic neutron scattering. *Journal of Physics: Conference Series*, **2010**, 251, 012008	0.3	2
117	Soft X-ray resonant scattering study of single-crystal LaSr2Mn2O7. *European Physical Journal B*, **2010**, 74, 457-461	1.2	3
116	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in CaFe2As2. *Physical Review B*, **2010**, 81,	3.3	13
115	Antiferromagnetic ordering and structural phase transition in Ba2Fe2As2 with Sn incorporated from the growth flux. *Physical Review B*, **2009**, 79,	3.3	98
114	Magnetic order in the CaFe1−CoxAsF (x=0.00,0.06,0.12) superconducting compounds. *Physical Review B*, **2009**, 79,	3.3	55
113	Effects of magnetic doping and temperature dependence of phonon dynamics in CaFe1−CoxAsF compounds (x=0, 0.06, and 0.12). *Physical Review B*, **2009**, 79,	3.3	20

112	Magnetic structure of EuFe2As2 determined by single-crystal neutron diffraction. *Physical Review B* , **2009**, 80,	3.3	139
111	Phonon spectra in CaFe2As2 and Ca0.6Na0.4Fe2As2: Measurement of the pressure and temperature dependence and comparison with ab initio and shell model calculations. *Physical Review B*, **2009**, 79,	3.3	17
110	Magnetic structure of EuFe2As2 as determined by resonant x-ray scattering. *Physical Review B*, **2009**, 80,	3.3	51
109	Neutron polarization analysis on the multiferroic TbMn2O5. *Physica B: Condensed Matter*, **2009**, 404, 2517-2519	2.8	3
108	Neutron depolarization study on the magnetic correlation length of nickel ferrite with different packing densities. *Physica B: Condensed Matter*, **2009**, 404, 2565-2567	2.8	1
107	Crystal and magnetic structure of single-crystal La1-x Sr x MnO 3 (x □1/8). *European Physical Journal B*, **2009**, 67, 149-157	1.2	19
106	Measurement of anomalous phonon dispersion of CaFe2As2 single crystals using inelastic neutron scattering. *Physical Review Letters*, **2009**, 102, 217001	7.4	39
105	Phonon dynamics in Sr0.6K0.4Fe2As2 and Ca0.6Na0.4Fe2As2 from neutron scattering and lattice-dynamical calculations. *Physical Review B*, **2008**, 78,	3.3	22
104	Resonant magnetic x-ray scattering from terbium. *Journal of Physics Condensed Matter*, **2008**, 20, 445208	1.8	3
103	Inelastic neutron scattering and lattice-dynamical calculations of BaFe2As2. *Physical Review B*, **2008** , 78,	3.3	54
102	Depth-resolved investigation of the lateral magnetic correlations in a gradient nanocrystalline multilayer. *Physical Review B*, **2008**, 77,	3.3	29
101	POWTEX □the high-intensity time-of-flight diffractometer at FRM II for structure analysis of polycrystalline materials. *Journal of Applied Crystallography*, **2008**, 41, 836-845	3.8	11
100	Correlation between structural and magnetic properties of La7/8Sr1/8Mn1□O3+□with controlled nonstoichiometry. *Journal of Physics Condensed Matter*, **2007**, 19, 016003	1.8	13
99	Polarized neutron reflectivity studies on granular Co80Fe20/Al2O3 multilayers. *Physica B: Condensed Matter*, **2007**, 397, 65-67	2.8	3
98	Polarized neutron reflectivity of dilute magnetic semiconductors. *Physica B: Condensed Matter*, **2007**, 397, 59-61	2.8	3
97	Probing lateral magnetic nanostructures by polarized GISANS. *Physica B: Condensed Matter*, **2007**, 397, 43-46	2.8	11
96	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	3.8	3
95	Magnetization reversal in trained exchange biased multilayers. *Journal of Physics Condensed Matter*, **2007**, 19, 086229	1.8	3

94	Neutron-diffraction study of structural transition and magnetic order in orthorhombic and rhombohedral La(7/8)Sr(1/8)Mn(1-)O(3+) *Journal of Physics Condensed Matter*, **2007**, 19, 176226	1.8	12
93	Magnetization reversal via symmetric rotation of layers in exchange biased multilayers. *Journal of Applied Physics*, **2007**, 101, 123913	2.5	4
92	Strong coupling between the spin polarization of Mn and Tb in multiferroic TbMnO3 determined by x-ray resonance exchange scattering. *Physical Review B*, **2007**, 76,	3.3	26
91	Polarized neutron scattering studies of chiral criticality, and new universality classes of phase transitions. *Physica B: Condensed Matter*, **2006**, 385-386, 288-294	2.8	10
90	Modulated magnetization depth profile in dipolarly coupled magnetic multilayers. *Physical Review B*, **2006**, 74,	3.3	16
89	Symmetry and asymmetry during magnetization reversal in exchange biased multilayers and bilayers. *Physical Review B*, **2006**, 73,	3.3	21
88	Magnetization reversal with variation of the ratio of the anisotropy energies in exchange bias systems. *Physical Review B*, **2006**, 74,	3.3	19
87	Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering. *Physical Review B*, **2006**, 73,	3.3	10
86	The angular dependence of the magnetization reversal in exchange biased multilayers. *Journal of Physics Condensed Matter*, **2006**, 18, L149-L153	1.8	5
85	Structural and magnetic properties of (lbrack)Er|Tb(rbrack)multilayers. *European Physical Journal B*, **2006**, 49, 441-451	1.2	2
84	Superferromagnetic domain state of a discontinuous metal insulator multilayer. *Physical Review B*, **2005**, 72,	3.3	30
83	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	1.2	1
82	Optimization of a neutron image plate detector with low sensitivity. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2005**, 539, 236-249	1.2	7
81	Spin dynamics in Ho2Ru2O7. *Journal of Physics Condensed Matter*, **2005**, 17, 7089-7095	1.8	14
80	Direct observation of the interlayer exchange coupling mechanism in a magnetic [Er|Tb] multilayer. *Europhysics Letters*, **2004**, 65, 560-566	1.6	5
79	LAP-ND: a new instrument for vector polarization analysis and neutron depolarization measurements at FRJ-2. *Physica B: Condensed Matter*, **2004**, 350, E815-E818	2.8	3
78	Novel type of neutron image plates based on KCl:Eu2+ iF. *Physica B: Condensed Matter*, **2004**, 350, E861-E864	2.8	
77	Re-examination of charge and orbital ordering in lightly doped La1 r MnO3 by X-ray scattering. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E291-E292	2.8	2

76	Progress of 3He spin-exchange for neutron polarization in J□ch. *Physica B: Condensed Matter*, **2004**, 350, E707-E710	2.8	3
75	KWS-3, the new focusing-mirror ultra small-angle neutron scattering instrument and reflectometer at J□ch. *Physica B: Condensed Matter*, **2004**, 350, E779-E781	2.8	21
74	High-energy non-resonant X-ray magnetic scattering from EuAs3. *Solid State Communications*, **2004**, 131, 713-717	1.6	6
73	Neutron quantum well states in Fe/Co/Fe trilayers. *Physica B: Condensed Matter*, **2004**, 350, E233-E235	2.8	1
72	Magnetic properties of transition metal fluorides MF2 (M=Mn, Fe, Co, Ni) via high-energy photon diffraction. *Physical Review B*, **2004**, 69,	3.3	32
71	Magnetic properties of laterally structured Fe/Cr multilayers. *Physica B: Condensed Matter*, **2003**, 335, 50-53	2.8	8
70	Determination of the magnetic fluctuations in an Fe/Cr/Fe trilayer exhibiting a neutron resonance state. *Physica B: Condensed Matter*, **2003**, 335, 89-94	2.8	19
69	Polarized neutron methods and instrumentation for pulsed sources. *Physica B: Condensed Matter*, **2003**, 335, 143-146	2.8	
68	Progress in the production of polarized 3He in J□ch. *Physica B: Condensed Matter*, **2003**, 335, 278-281	2.8	2
67	Structural and magnetic properties of [Er|Tb] superlattices. *Journal of Magnetism and Magnetic Materials*, **2002**, 240, 559-561	2.8	
66	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	2.6	1
65	Materials for neutron-image plates with low □ensitivity. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s109-s111	2.6	5
64	Layer-by-layer magnetometry of polarizing supermirrors. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s607-s609	2.6	10
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62	Interlayer coupling in [Er|Tb] superlattices. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1517-s1519	2.6	
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