

# Thomas Brckel

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Magnetic structure of EuFe <sub>2</sub> As <sub>2</sub> determined by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	139
236	Shape induced symmetry in self-assembled mesocrystals of iron oxide nanocubes. <i>Nano Letters</i> , <b>2011</b> , 11, 1651-6	11.5	126
235	KWS-1 high-resolution small-angle neutron scattering instrument at JCNS: current state. <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 61-70	3.8	107
234	Antiferromagnetic ordering and structural phase transition in Ba <sub>2</sub> Fe <sub>2</sub> As <sub>2</sub> with Sn incorporated from the growth flux. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	98
233	Ambient- and low-temperature synchrotron x-ray diffraction study of BaFe <sub>2</sub> As <sub>2</sub> and CaFe <sub>2</sub> As <sub>2</sub> at high pressures up to 56 GPa. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	91
232	First observation of superstructure reflections by neutron diffraction due to oxygen ordering in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.35</sub> . <i>Physical Review Letters</i> , <b>1991</b> , 66, 1497-1500	7.4	86
231	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013025	2.9	85
230	Coexistence of superconductivity and ferromagnetism in P-doped EuFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	61
229	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. <i>Scientific Reports</i> , <b>2017</b> , 7, 2802	4.9	57
228	Search for Magnetic Fluctuations in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Europhysics Letters</i> , <b>1987</b> , 4, 1189-1194	1.6	57
227	Magnetic order in the CaFe <sub>1-x</sub> CoxAsF (x=0.00,0.06,0.12) superconducting compounds. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	55
226	Inelastic neutron scattering and lattice-dynamical calculations of BaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	54
225	Magnetic structure of EuFe <sub>2</sub> As <sub>2</sub> as determined by resonant x-ray scattering. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	51
224	The instrument suite of the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2020</b> , 957, 163402	1.2	50
223	Magnetic moment distribution in Fe <sub>3-x</sub> Cr <sub>x</sub> Si alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1994</b> , 132, 349-358	2.8	49
222	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. <i>Nanoscale</i> , <b>2013</b> , 5, 3969-75	7.7	46
221	Magnetization-steps in Y <sub>2</sub> CoMnO <sub>6</sub> double perovskite: The role of antisite disorder. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 123907	2.5	44

220	Field-induced spin reorientation and giant spin-lattice coupling in EuFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	43
219	The high-intensity reflectometer of the Jülich Centre for Neutron Science: MARIA. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 646-654	3.8	43
218	Distinguishing s <sup>-</sup> and s <sup>++</sup> electron pairing symmetries by neutron spin resonance in superconducting NaFe <sub>0.935</sub> Co <sub>0.045</sub> As. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	42
217	Measurement of anomalous phonon dispersion of CaFe <sub>2</sub> As <sub>2</sub> single crystals using inelastic neutron scattering. <i>Physical Review Letters</i> , <b>2009</b> , 102, 217001	7.4	39
216	2D to 3D crossover of the magnetic properties in ordered arrays of iron oxide nanocrystals. <i>Nanoscale</i> , <b>2013</b> , 5, 953-60	7.7	38
215	Reversible Control of Physical Properties via an Oxygen-Vacancy-Driven Topotactic Transition in Epitaxial La Sr MnO Thin Films. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806183	24	37
214	Chiral criticality in helimagnet Ho studied by polarized neutron scattering. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	34
213	Neutron-diffraction study of the charge-density wave in alpha -uranium. <i>Physical Review B</i> , <b>1990</b> , 42, 9365-9376	3.3	34
212	The Jülich high-brilliance neutron source project. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	33
211	Quantum Exchange Magnon Gap in an Antiferromagnet with Dynamically Interacting Spin Subsystems. <i>Europhysics Letters</i> , <b>1988</b> , 7, 83-86	1.6	33
210	Inducing exchange bias in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> thin films by strain and oxygen deficiency. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	32
209	Magnetic properties of transition metal fluorides MF <sub>2</sub> (M=Mn, Fe, Co, Ni) via high-energy photon diffraction. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	32
208	Superferromagnetic domain state of a discontinuous metal insulator multilayer. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	30
207	Field-induced self-assembly of iron oxide nanoparticles investigated using small-angle neutron scattering. <i>Nanoscale</i> , <b>2016</b> , 8, 18541-18550	7.7	29
206	Magnetic structure of the Eu <sup>2+</sup> moments in superconducting EuFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> with x=0.19. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	29
205	Study of the antiferromagnetism of Mn <sub>5</sub> Si <sub>3</sub> : an inverse magnetocaloric effect material. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15275		29
204	Magnetic structure of superconducting Eu(Fe <sub>0.82</sub> Co <sub>0.18</sub> ) <sub>2</sub> As <sub>2</sub> as revealed by single-crystal neutron diffraction. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	29
203	Depth-resolved investigation of the lateral magnetic correlations in a gradient nanocrystalline multilayer. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	29

202	K-edge resonant x-ray magnetic scattering from RbMnF <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 10170-10179	3.3	29
201	High-Resolution Bulk Magnetic Scattering of High-Energy Synchrotron Radiation. <i>Europhysics Letters</i> , <b>1994</b> , 27, 537-541	1.6	29
200	Magnetic anisotropy in hole-doped superconducting Ba <sub>0.67</sub> K <sub>0.33</sub> Fe <sub>2</sub> As <sub>2</sub> probed by polarized inelastic neutron scattering. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	27
199	Magnetic ground state of superconducting Eu(Fe <sub>0.88</sub> Ir <sub>0.12</sub> ) <sub>2</sub> As <sub>2</sub> : A combined neutron diffraction and first-principles calculation study. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	27
198	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	27
197	The Non-Resonant Magnetic X-ray Scattering Cross Section of MnF <sub>2</sub> . 2. High-Energy X-ray Diffraction at 80keV. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>1996</b> , 52, 438-449		27
196	Coexistence of magnetic order and spin-glass-like phase in the pyrochlore antiferromagnet Na <sub>3</sub> Co(CO <sub>3</sub> ) <sub>2</sub> Cl. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	26
195	New neutron-guide concepts and simulation results for the POWTEX instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 680, 124-133	1.2	26
194	Strong coupling between the spin polarization of Mn and Tb in multiferroic TbMnO <sub>3</sub> determined by x-ray resonance exchange scattering. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	26
193	Quantum disorder in (NH <sub>4</sub> ) <sub>2</sub> SnCl <sub>6</sub> : a quantum mechanical single-particle model interpretation of neutron diffraction data. <i>Journal of Physics C: Solid State Physics</i> , <b>1984</b> , 17, 4071-4088		24
192	Magnetic correlations in the spin ice Ho <sub>2-3</sub> Y <sub>x</sub> Ti <sub>2</sub> O <sub>7</sub> as revealed by neutron polarization analysis. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	23
191	Magnetic lattice dynamics of the oxygen-free FeAs pnictides: how sensitive are phonons to magnetic ordering?. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 315701	1.8	23
190	Structural and magnetic properties of Fe <sub>2</sub> Cr <sub>2</sub> Al alloys with DO <sub>3</sub> -type structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 169, 240-252	2.8	23
189	Incommensurate charge-density-wave state in alpha -uranium: A high-resolution x-ray and neutron-scattering study. <i>Physical Review B</i> , <b>1991</b> , 43, 8803-8807	3.3	23
188	Phonon dynamics in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> and Ca <sub>0.6</sub> Na <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> from neutron scattering and lattice-dynamical calculations. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	22
187	Tuning the structure and habit of iron oxide mesocrystals. <i>Nanoscale</i> , <b>2016</b> , 8, 15571-80	7.7	21
186	Symmetry and asymmetry during magnetization reversal in exchange biased multilayers and bilayers. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	21
185	KWS-3, the new focusing-mirror ultra small-angle neutron scattering instrument and reflectometer at Jülich. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, E779-E781	2.8	21

184	Structure, Magnetism, and the Magnetocaloric Effect of MnFe <sub>4</sub> Si <sub>3</sub> Single Crystals and Powder Samples. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7128-7136	9.6	20
183	Effects of magnetic doping and temperature dependence of phonon dynamics in CaFe <sub>1-x</sub> CoxAsF compounds (x=0, 0.06, and 0.12). <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	20
182	Antiferromagnetic order and phase transitions in GdS as studied with X-ray resonance-exchange scattering. <i>European Physical Journal B</i> , <b>2001</b> , 19, 475-490	1.2	20
181	Spin correlation in the frustrated antiferromagnet MnS <sub>2</sub> above the Nél temperature. <i>Physical Review B</i> , <b>1991</b> , 44, 7394-7402	3.3	20
180	Biquadratic exchange and critical behaviour in the diluted antiferromagnet EuxSr <sub>1-x</sub> Te. <i>Zeitschrift für Physik B-Condensed Matter</i> , <b>1993</b> , 92, 475-487		20
179	Incommensurate antiferromagnetic order in the manifoldly-frustrated SrTb <sub>2</sub> O <sub>4</sub> with transition temperature up to 4.28 K. <i>Frontiers in Physics</i> , <b>2014</b> , 2,	3.9	19
178	Possible magnetic-polaron-switched positive and negative magnetoresistance in the GdSi single crystals. <i>Scientific Reports</i> , <b>2012</b> , 2, 750	4.9	19
177	Single-particle blocking and collective magnetic states in discontinuous CoFe/Al <sub>2</sub> O <sub>3</sub> multilayers. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 474002	3	19
176	Crystal and magnetic structure of single-crystal La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x = 1/8). <i>European Physical Journal B</i> , <b>2009</b> , 67, 149-157	1.2	19
175	Magnetization reversal with variation of the ratio of the anisotropy energies in exchange bias systems. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	19
174	Determination of the magnetic fluctuations in an Fe/Cr/Fe trilayer exhibiting a neutron resonance state. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 335, 89-94	2.8	19
173	X-ray space technology for focusing small-angle neutron scattering and neutron reflectometry. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 283, 330-332	2.8	19
172	Neutron diffraction investigation of the crystal and magnetic structures in KCrF <sub>3</sub> perovskite. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	18
171	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	18
170	The new polarized neutron reflectometer in Jülich. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 95-97	2.8	18
169	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO <sub>3</sub> films. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	17
168	Phonon spectra in CaFe <sub>2</sub> As <sub>2</sub> and Ca <sub>0.6</sub> Na <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> : Measurement of the pressure and temperature dependence and comparison with ab initio and shell model calculations. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	17
167	Roughness-induced enhancement of giant magnetoresistance in epitaxial Fe/Cr/Fe(001) trilayers. <i>Europhysics Letters</i> , <b>2002</b> , 59, 458-464	1.6	17

166	Dynamical interaction of antiferromagnetic subsystems: a neutron scattering study of the spinwave spectrum of the garnet $\text{Fe}_2\text{Ca}_3(\text{GeO}_4)_3$ . <i>European Physical Journal B</i> , <b>1988</b> , 72, 477-485	1.2	17
165	Phase diagram of Eu magnetic ordering in Sn-flux-grown $\text{Eu}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ single crystals. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	17
164	Approaching the true ground state of frustrated A-site spinels: A combined magnetization and polarized neutron scattering study. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	16
163	Modulated magnetization depth profile in dipolarly coupled magnetic multilayers. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	16
162	Longitudinal spin fluctuations in the antiferromagnet $\text{MnF}_2$ studied by polarized neutron scattering. <i>Europhysics Letters</i> , <b>2002</b> , 60, 446-452	1.6	16
161	Hyperfine and crystal field interactions in multiferroic $\text{HoCrO}_3$ . <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 476001	1.8	15
160	Effect of magnetic fullerene on magnetization reversal created at the Fe/C interface. <i>Scientific Reports</i> , <b>2018</b> , 8, 5515	4.9	14
159	Studies on the adsorption and desorption of mitoxantrone to lauric acid/albumin coated iron oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 161, 18-26	6	14
158	Magnetic and structural transitions in $\text{La}_{0.4}\text{Na}_{0.6}\text{Fe}_2\text{As}_2$ single crystals. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	14
157	The non-resonant magnetic X-ray scattering cross-section for photon energies up to 500 keV. <i>Europhysics Letters</i> , <b>1997</b> , 40, 569-574	1.6	14
156	Spin dynamics in $\text{Ho}_2\text{Ru}_2\text{O}_7$ . <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 7089-7095	1.8	14
155	Polarization analysis for the 2D position-sensitive detector of the HADAS reflectometer in Jülich. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 297, 140-142	2.8	14
154	Investigations of the sublattice magnetizations $M(T)$ in antiferromagnets with fourth-order exchange interactions: $\text{EuSrTe}$ . <i>European Physical Journal B</i> , <b>1999</b> , 8, 217-224	1.2	14
153	Evidence for the exchange origin of the magnon gap in the garnet $\text{Ca}_3\text{Fe}_2\text{Ge}_3\text{O}_{12}$ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1992</b> , 162, 357-358	2.3	14
152	Spin-phonon coupling in $\text{K}_{0.8}\text{Fe}_{1.6}\text{Se}_2$ and $\text{KFe}_2\text{Se}_2$ : Inelastic neutron scattering and ab initio phonon calculations. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	13
151	Anomalous in-plane magnetoresistance in a $\text{EuFe}_2\text{As}_2$ single crystal: Evidence of strong spin-charge-lattice coupling. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	13
150	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in $\text{CaFe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	13
149	Correlation between structural and magnetic properties of $\text{La}_{7/8}\text{Sr}_{1/8}\text{MnO}_3$ with controlled nonstoichiometry. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 016003	1.8	13

148	Form-factor measurements on chromium with high-energy synchrotron radiation. <i>European Physical Journal B</i> , <b>2000</b> , 14, 63-72	1.2	13
147	Fourth-order exchange interactions in GdxEu <sub>1-x</sub> S. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 205, 90-104	2.8	13
146	The Non-Resonant Magnetic X-ray Scattering Cross Section of MnF <sub>2</sub> . 1. Medium X-ray Energies from 5 to 12keV. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>1996</b> , 52, 427-437		13
145	Amplitude, wavevector and frequency dependence of magnetic fluctuations in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> <i>European Physical Journal B</i> , <b>1990</b> , 78, 345-359	1.2	13
144	Magnetic frustration in the mixed garnets (Fe <sub>x</sub> Cr <sub>1-x</sub> ) <sub>2</sub> Ca <sub>3</sub> (GeO <sub>4</sub> ) <sub>3</sub> : the phase diagram and relaxation of the antiferromagnetic long-range order. <i>Journal of Physics C: Solid State Physics</i> , <b>1987</b> , 20, 2565-2583		13
143	The upgrade of the cold neutron three-axis spectrometer IN12 at the ILL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 819, 89-98	1.2	13
142	Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites LuMn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> (0≤x≤0.3). <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	13
141	Mechanism of magnetization reduction in iron oxide nanoparticles. <i>Nanoscale</i> , <b>2021</b> , 13, 6965-6976	7.7	13
140	Spin Fluctuations Drive the Inverse Magnetocaloric Effect in Mn <sub>5</sub> Si <sub>3</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 120, 257205	7.4	12
139	Spin dynamics of the magnetocaloric compound MnFe <sub>4</sub> Si <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	12
138	Magnetic excitations in the ground state of Yb <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	12
137	Neutron-diffraction study of structural transition and magnetic order in orthorhombic and rhombohedral La(7/8)Sr(1/8)Mn(1-x)O(3+x) <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 176226	1.8	12
136	Strain and electric-field control of magnetism in supercrystalline iron oxide nanoparticle-BaTiO composites. <i>Nanoscale</i> , <b>2017</b> , 9, 12957-12962	7.7	11
135	Toward a better understanding of the magnetocaloric effect: An experimental and theoretical study of MnFe <sub>4</sub> Si <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 216, 56-64	3.3	11
134	Chopper layout for spectrometers at long pulse neutron sources. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 741, 26-32	1.2	11
133	Effect of substitution of Y on the structural, magnetic, and thermal properties of hexagonal DyMnO <sub>3</sub> single crystals. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	11
132	Probing lateral magnetic nanostructures by polarized GISANS. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 397, 43-46	2.8	11
131	POWTEX II the high-intensity time-of-flight diffractometer at FRM II for structure analysis of polycrystalline materials. <i>Journal of Applied Crystallography</i> , <b>2008</b> , 41, 836-845	3.8	11



130	Magnetic structures of the Eu and Cr moments in EuCr <sub>2</sub> As <sub>2</sub> : Neutron diffraction study. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	10
129	Magnetization, crystal structure and anisotropic thermal expansion of single-crystal SrEr <sub>2</sub> O <sub>4</sub> . <i>RSC Advances</i> , <b>2014</b> , 4, 53602-53607	3.7	10
128	An approach to the magnetic ground state of the molecular magnet {Mo <sub>72</sub> Fe <sub>30</sub> }. <i>New Journal of Physics</i> , <b>2010</b> , 12, 083044	2.9	10
127	Pressure dependence of the low-temperature crystal structure and phase transition behavior of CaFeAsF and SrFeAsF: A synchrotron x-ray diffraction study. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	10
126	Polarized neutron scattering studies of chiral criticality, and new universality classes of phase transitions. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 288-294	2.8	10
125	Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	10
124	Layer-by-layer magnetometry of polarizing supermirrors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s607-s609	2.6	10
123	High quality TbMnO <sub>3</sub> films deposited on YAlO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5061-5063	5.7	9
122	Beam transport and polarization at TOPAS, the thermal time-of-flight spectrometer with polarization analysis. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 211, 012032	0.3	9
121	The Jülich high brilliance neutron source project – Improving access to neutrons. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 570, 345-348	2.8	9
120	Spectrometers for compact neutron sources. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 884, 59-63	1.2	8
119	Spin-wave and electromagnon dispersions in multiferroic MnWO <sub>4</sub> as observed by neutron spectroscopy: Isotropic Heisenberg exchange versus anisotropic Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	8
118	Analysis of randomly oriented structures by grazing-incidence small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , <b>2012</b> , 45, 245-254	3.8	8
117	Low-lying magnetic excitations and magnetocaloric effect of molecular magnet K <sub>6</sub> [V <sub>15</sub> As <sub>6</sub> O <sub>42</sub> (H <sub>2</sub> O)]·8H <sub>2</sub> O. <i>Europhysics Letters</i> , <b>2015</b> , 112, 27003	1.6	8
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115	Magnetic properties of laterally structured Fe/Cr multilayers. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 335, 50-53	2.8	8
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