

# Mechthild Enderle

## List of Publications by Year in descending order

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39  
papers

1,151  
citations

516710

16  
h-index

377865

34  
g-index

39  
all docs

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docs citations

39  
times ranked

1891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic excitations from the two-dimensional interpenetrating Cu framework in $\text{Ba}_2\text{Cu}_3\text{O}_{7-x}\text{Cl}_x$ . Physical Review B, 2017, 96, .		
2	Direct evidence for charge stripes in a layered cobalt oxide. Nature Communications, 2016, 7, 11632.	12.8	16
3	Jahn-Teller versus quantum effects in the spin-orbital material $\text{LuVO}_3$ . Physical Review B, 2015, 91, .	3.2	4
4	Spin excitations in the two-dimensional strongly coupled dimer system malachite. Physical Review B, 2015, 91, .	3.2	4
5	Haydeeite: A spin-ferromagnet. Physical Review B, 2015, 91, .	3.2	4
6	Fractional excitations in the square-lattice quantum antiferromagnet. Nature Physics, 2015, 11, 62-68.	16.7	162
7	Change in the magnetic structure of (Bi,Sm)FeO <sub>3</sub> thin films at the morphotropic phase boundary probed by neutron diffraction. APL Materials, 2014, 2, .	5.1	15
8	Anisotropic neutron spin resonance in underdoped superconducting $\text{NaFeAsO}_{1-x}\text{Co}_x$ . Physical Review B, 2014, 90, .	3.2	32
9	Magnetic structure of the conductive triangular-lattice antiferromagnet $\text{PdCrO}$ . Physical Review B, 2014, 89, .	3.2	32
10	Anomalous Spin Response in the Non-Centrosymmetric Metal $\text{CePt}_3\text{Si}$ . Journal of the Physical Society of Japan, 2014, 83, 063703.	1.6	7
11	Neutrons and magnetism. <i>Annales de la Société Française de La Neutronique</i> , 2014, 13, 010022		2
12	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. Nature Materials, 2013, 12, 1028-1032.	27.5	163
13	Fractional spinon excitations in the quantum Heisenberg antiferromagnetic chain. Nature Physics, 2013, 9, 435-441.	16.7	224
14	Evidence of Magnetic Correlations Among the Charge Stripe Electrons of Charge-Stripe Ordered $\text{La}_2\text{NiO}_4$ . Journal of Physics: Conference Series, 2012, 340, 012060.	0.4	1
15	Ferroelectricity from spin supercurrents in $\text{LiCuVO}_4$ . Physical Review B, 2011, 83, .	3.2	41
16	Low-energy quasi-one-dimensional spin dynamics in charge-ordered $\text{La}_2\text{Ni}_x\text{Sr}_{1-x}\text{NiO}_4$ . Physical Review B, 2011, 83, .	3.2	6
17	Anisotropic neutron spin resonance in superconducting $\text{BaFe}_{1.9}\text{As}_{1.9}\text{O}_{10}$ . Physical Review B, 2010, 82, .	3.2	55
18	Design Study of High Field Resistive Magnets for Diffraction Experiments. IEEE Transactions on Applied Superconductivity, 2010, 20, 664-667.	1.7	7

#	ARTICLE	IF	CITATIONS
19	Ferromagnetic excitations in $\text{La}_{1-x}\text{Ce}_x\text{NiO}_3$ using neutron inelastic scattering. Physical Review B, 2010, 82, .	3.2	6.82
20	Magnetic order and dynamics of the charge-ordered antiferromagnet $\text{La}_{1-x}\text{Ce}_x\text{NiO}_3$ . Physical Review B, 2009, 80, .	3.2	1.5
21	Inward dispersion of the spin excitation spectrum of stripe-ordered $\text{La}_{1-x}\text{Ce}_x\text{NiO}_3$ . Physical Review B, 2009, 80, .	3.2	12
22	Crystal-field ground state of the noncentrosymmetric superconductor $\text{CePt}_3\text{Si}$ : A combined polarized soft x-ray absorption and polarized neutron study. Physical Review B, 2009, 80, .	3.2	26
23	Ab initio lattice dynamics calculation of vibrational density of states and Raman active modes of the olivine mineral $\text{Ni}_2\text{SiO}_4$ . Journal of Physics Condensed Matter, 2008, 20, 285203.	1.8	3
24	Low-dimensional ordering and fluctuations in methanol- $\text{H}_2\text{O}$ -hydroquinone clathrate studied by x-ray and neutron diffraction. Physical Review B, 2005, 71, .	3.2	1
25	Spherical neutron spin polarimetry of anisotropic magnetic fluctuations in $\text{UO}_2$ . Physical Review B, 2005, 72, .	3.2	33
26	Spin dynamics of half-doped $\text{La}_{1-x}\text{Sr}_x\text{NiO}_4$ . Physical Review B, 2005, 71, .	3.2	24
27	Stripe order and magnetic transitions in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ . Physical Review B, 2004, 70, .	3.2	27
28	Quenched chirality in $\text{RbNiCl}_3$ : Linear birefringence and neutron diffraction. Physical Review B, 2004, 70, .	3.2	2
29	Inversion and suppression of an oxygen bulk phase transition in confined geometry. European Physical Journal E, 2003, 12, 39-42.	1.6	3
30	Critical behavior of the frustrated antiferromagnetic six-state clock model on a triangular lattice. Physical Review E, 2002, 66, 026111.	2.1	21
31	Evolution of spin excitations in a gapped antiferromagnet from the quantum to the high-temperature limit. Physical Review B, 2002, 66, .	3.2	14
32	Spin reorientation transition in the incommensurate stripe-ordered phase of $\text{La}_{3/2}\text{Sr}_{1/2}\text{NiO}_4$ . Physical Review B, 2002, 66, .	3.2	27
33	Properties of Haldane excitations and multiparticle states in the antiferromagnetic spin-1 chain compound $\text{CsNiCl}_3$ . Physical Review B, 2002, 66, .	3.2	34
34	Evidence for Kosterlitz-Thouless-type orientational ordering of $\text{CF}_3\text{Br}$ monolayers physisorbed on graphite. Physical Review B, 2002, 65, .	3.2	12
35	Tuning anisotropy by impurities: magnetocaloric experiments on $\text{CsNi}_{0.9}\text{Fe}_{0.1}\text{Cl}_3$ . European Physical Journal B, 2001, 22, 461-471.	1.5	8
36	Magnetic Behaviour of $\text{O}_2$ Confined in Nanopores. Journal of Low Temperature Physics, 2001, 122, 143-146.	1.4	6

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37	Orientational disorder and melting of CF <sub>2</sub> Cl <sub>2</sub> monolayers physisorbed on graphite. Physical Review B, 2000, 61, 3028-3032.	3.2	2
38	Infrared response of glassy Ar:O <sub>2</sub> mixed crystals. Physical Review B, 1997, 55, 8194-8200.	3.2	7
39	Spin Dynamics of the Half-Integer-Spin Quasi-One-Dimensional Heisenberg Antiferromagnet CsMnI <sub>3</sub> . Journal of the Physical Society of Japan, 1994, 63, 1530-1538.	1.6	16