

Mechthild Enderle

List of Publications by Year in descending order

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39
papers

1,151
citations

516710

16
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377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional spinon excitations in the quantum Heisenberg antiferromagnetic chain. Nature Physics, 2013, 9, 435-441.	16.7	224
2	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. Nature Materials, 2013, 12, 1028-1032.	27.5	163
3	Fractional excitations in the square-lattice quantum antiferromagnet. Nature Physics, 2015, 11, 62-68.	16.7	162
4	Anisotropic neutron spin resonance in superconducting $\text{BaFe}_{1.9}\text{As}_{1.9}\text{F}_{0.2}$. Physical Review B, 2010, 82, .	3.2	55
5	Haydeeite: A spin-ferromagnet. Physical Review B, 2015, 91, .	3.2	48
6	Ferroelectricity from spin supercurrents in LiCuVO_4 . Physical Review B, 2011, 83, .	3.2	41
7	Magnetic order and dynamics of the charge-ordered antiferromagnet $\text{La}_{1.5}\text{Ni}_{1.5}\text{O}_4$. Physical Review B, 2009, 80, .	3.2	39
8	Properties of Haldane excitations and multiparticle states in the antiferromagnetic spin-1 chain compound CsNiCl_3 . Physical Review B, 2002, 66, .	3.2	34
9	Spherical neutron spin polarimetry of anisotropic magnetic fluctuations in UO_2 . Physical Review B, 2005, 72, .	3.2	33
10	Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO_2 . Physical Review B, 2014, 89, .	3.2	32
11	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
12	Stripe order and magnetic transitions in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$. Physical Review B, 2004, 70, .	3.2	27
13	Crystal-field ground state of the noncentrosymmetric superconductor CePt_3Si : A combined polarized soft x-ray absorption and polarized neutron study. Physical Review B, 2009, 80, .	3.2	26
14	Anisotropic neutron spin resonance in underdoped superconducting NaFeAsO . Physical Review B, 2014, 90, .	3.2	26
15	Spin dynamics of half-doped $\text{La}_{3/2}\text{Sr}_{1/2}\text{NiO}_4$. Physical Review B, 2005, 71, .	3.2	24
16	Critical behavior of the frustrated antiferromagnetic six-state clock model on a triangular lattice. Physical Review E, 2002, 66, 026111.	2.1	21
17	Spin Dynamics of the Half-Integer-Spin Quasi-One-Dimensional Heisenberg Antiferromagnet CsMnI_3 . Journal of the Physical Society of Japan, 1994, 63, 1530-1538.	1.6	16
18	Direct evidence for charge stripes in a layered cobalt oxide. Nature Communications, 2016, 7, 11632.	12.8	16

#	ARTICLE	IF	CITATIONS
19	Change in the magnetic structure of (Bi,Sm)FeO ₃ thin films at the morphotropic phase boundary probed by neutron diffraction. APL Materials, 2014, 2, .	5.1	15
20	Evolution of spin excitations in a gapped antiferromagnet from the quantum to the high-temperature limit. Physical Review B, 2002, 66, .	3.2	14
21	Evidence for Kosterlitz-Thouless-type orientational ordering of CF ₃ Br monolayers physisorbed on graphite. Physical Review B, 2002, 65, .	3.2	12
22	Inward dispersion of the spin excitation spectrum of stripe-ordered $\text{La}_{2-x}\text{Pr}_x\text{NiO}_4$. Physical Review B, 2009, 80, .	3.2	12
23	Jahn-Teller versus quantum effects in the spin-orbital material LuVO_3 . Physical Review B, 2015, 91, .	3.2	12
24	Tuning anisotropy by impurities: magnetocaloric experiments on CsNi _{0.9} Fe _{0.1} Cl ₃ . European Physical Journal B, 2001, 22, 461-471.	1.5	8
25	Magnetic excitations from the two-dimensional interpenetrating Cu framework in $\text{Ba}_2\text{O}_4\text{Cl}_2$. Physical Review B, 2017, 96, .	3.2	8
26	Infrared response of glassy Ar:O ₂ mixed crystals. Physical Review B, 1997, 55, 8194-8200.	3.2	7
27	Design Study of High Field Resistive Magnets for Diffraction Experiments. IEEE Transactions on Applied Superconductivity, 2010, 20, 664-667.	1.7	7
28	Anomalous Spin Response in the Non-Centrosymmetric Metal CePt ₃ Si. Journal of the Physical Society of Japan, 2014, 83, 063703.	1.6	7
29	Magnetic Behaviour of O ₂ Confined in Nanopores. Journal of Low Temperature Physics, 2001, 122, 143-146.	1.4	6
30	Low-energy quasi-one-dimensional spin dynamics in charge-ordered $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$. Physical Review B, 2011, 83, .	3.2	6
31	Ferromagnetic excitations in $\text{La}_{2-x}\text{Pr}_x\text{NiO}_4$ using neutron inelastic scattering. Physical Review B, 2010, 82, .	3.2	6
32	Spin excitations in the two-dimensional strongly coupled dimer system malachite. Physical Review B, 2015, 91, .	3.2	4
33	Inversion and suppression of an oxygen bulk phase transition in confined geometry. European Physical Journal E, 2003, 12, 39-42.	1.6	3
34	Ab initio lattice dynamics calculation of vibrational density of states and Raman active modes of the olivine mineral Ni ₂ SiO ₄ . Journal of Physics Condensed Matter, 2008, 20, 285203.	1.8	3
35	Orientational disorder and melting of CF ₂ Cl ₂ monolayers physisorbed on graphite. Physical Review B, 2000, 61, 3028-3032.	3.2	2
36	Quenched chirality in RbNiCl ₃ : ϵ_f Linear birefringence and neutron diffraction. Physical Review B, 2004, 70, .	3.2	2

#	ARTICLE	IF	CITATIONS
37	Neutrons and magnetism. <i>Annales de la Société Française de la Neutronique</i> , 2014, 13, 010022		2
38	Low-dimensional ordering and fluctuations in methanol- $\hat{1}^2$ -hydroquinone clathrate studied by x-ray and neutron diffraction. <i>Physical Review B</i> , 2005, 71, .	3.2	1
39	Evidence of Magnetic Correlations Among the Charge Stripe Electrons of Charge-Stripe Ordered La_2NiO_4 . <i>Journal of Physics: Conference Series</i> , 2012, 340, 012060.	0.4	1