

Jens-Uwe Hoffmann

List of Publications by Year in descending order

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56
papers

1,619
citations

430874

18
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289244

40
g-index

56
all docs

56
docs citations

56
times ranked

2526
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly coupled charge, orbital, and spin order in off-stoichiometric spinels Mn_4O_4 and Magnetization Process of Atacamite: A Case of Weakly Coupled $S=1$ Chains. Physical Review Materials, 2022, 2022, 024001.	2.4	1
2	Spin reorientation by Ni doping in $Cu_{1-x}Ni_xCr_2O_4$ spinels with $x=0$ and 0.1, and evidence for canted magnetic Cr order above the onset of a ferromagnetic Cu. Journal of Magnetism and Magnetic Materials, 2020, 506, 166683.	7.8	16
3	Neutron diffraction evidence for local spin canting, weak Jahn-Teller distortion, and magnetic compensation in $Ti_{1-x}Mn_xCo_2O_4$ spinel. Journal of Physics Condensed Matter, 2020, 32, 245801.	2.3	2
4	Strongly coupled charge, orbital, and spin order in $TbTe_3$. Physical Review B, 2020, 102, 040401.	1.8	8
5	Neutron studies of gauge field and charge in Ih heavy-water ice. Physical Review B, 2019, 99, 040401.	3.2	3
6	Comparative Microstructural Analysis of Nongraphitic Carbons by Wide-Angle X-ray and Neutron Scattering. Journal of Physical Chemistry C, 2019, 123, 20532-20546.	3.1	16
7	Magnetic phase diagram of the frustrated spin chain compound linarite $PbCuSO_4$ as seen by neutron diffraction and HT$ diagram. Physical Review B, 2019, 99, 040401.$	3.2	12
8	The magnetic properties of single-crystalline atacamite, $Cu_2Cl(OH)_3$. Physica B: Condensed Matter, 2018, 536, 377-378.	2.7	7
9	Magnetically ordered and disordered sublattices in geometrically frustrated Ni chromite. Physical Review B, 2018, 98, 040401.	3.2	5
10	Field-induced quantum spin-1/2 chains and disorder in $Nd_2Zr_2O_7$. Physical Review B, 2018, 98, 040401.	3.2	11
11	Structure and dielectric response of $(1-x)NaNO_2 + xBaTiO_3$ composites at $x = 0.05$ and 0.1 . Physics of the Solid State, 2017, 59, 746-751.	0.6	4
12	Neutron diffraction study of the inverse spinels Co_2 and Co_2 . Physical Review B, 2017, 95, 040401.	3.2	30
13	Electronic properties of a heavy-fermion $U(Ru_{0.92}Rh_{0.08})_2Si_2$ single crystal. Physical Review B, 2017, 95, 040401.	3.2	10
14	Antiferromagnetic structure and electronic properties of $BaCr_2$ and $BaCrFeAs_2$. Physical Review B, 2017, 95, 040401.	3.2	32
15	Complex Field-Induced States in Linarite $PbCuSO_4$ and OHT$ Diagram. Physical Review Letters, 2016, 116, 047202.$	10	137
16	a Variety of High-Order Exotic Spin-Density Wave States. Physical Review Letters, 2016, 116, 047202.	4.5	133
17	The NeXus data format. Journal of Applied Crystallography, 2015, 48, 301-305.	4.5	133
18	Mutual induction of magnetic 3d and 4f order in multiferroic hexagonal $ErMnO_3$. Physical Review B, 2012, 86, 040401.	3.2	37

#	ARTICLE	IF	CITATIONS
19	Neutron powder diffraction and single crystal X-ray magnetic resonant and non-resonant scattering studies of the doped multiferroic Tb(Bi)MnO ₃ . European Physical Journal B, 2012, 85, 1.	1.5	9
20	Influence of the Grain Size on the Magnetic Properties of TbMnO ₃ . Acta Physica Polonica A, 2012, 121, 785-788.	0.5	4
21	Crystallographic superstructure in $R_2Mn_2O_7$ PdSi		

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37	Ising-axis conversion in. Journal of Magnetism and Magnetic Materials, 2007, 310, 1767-1769.	2.3	1
38	Sodium ordering and the control of magnetism in sodium cobaltate. Journal of Magnetism and Magnetic Materials, 2007, 310, 810-812.	2.3	5
39	Patterning of sodium ions and the control of electrons in sodium cobaltate. Nature, 2007, 445, 631-634.	27.8	208
40	Crystal structure and high-temperature magnetoplasticity in the new Ni ϵ -Mn ϵ -Ga ϵ -Cu magnetic shape memory alloys. Scripta Materialia, 2007, 56, 565-568.	5.2	43
41	Neutron diffraction study of TbFe ₂ Si ₂ single crystal. Journal of Magnetism and Magnetic Materials, 2007, 316, e481-e483.	2.3	0
42	Double phase transition and magnetic ordering in NdFe ₂ Si ₂ single crystal. Journal of Magnetism and Magnetic Materials, 2007, 310, 1755-1757.	2.3	0
43	Magnetic shape memory effect in the paramagnetic state in RCu ₂ (R=rare earth) antiferromagnets. Physical Review B, 2006, 73, .	3.2	10
44	One-dimensional bulk ferromagnets: NdAl ₂ and hcp cobalt. Solid State Communications, 2006, 137, 301-305.	1.9	5
45	Crystal field effects in the 3d transition metal compounds. Physica B: Condensed Matter, 2006, 382, 98-104.	2.7	12
46	Transformation temperatures and magnetoplasticity of Ni ϵ -Mn ϵ -Ga alloyed with Si, In, Co or Fe. Scripta Materialia, 2006, 54, 1891-1895.	5.2	57
47	Coexistence of ferromagnetic and antiferromagnetic spin correlations in La _{1.2} Sr _{1.8} Mn ₂ O ₇ . Physical Review B, 2006, 73, .	3.2	6
48	The defect structure of Y- and N-doped zirconia. Journal of Applied Crystallography, 2005, 38, 139-146.	4.5	14
49	Short and Long Range Magnetic Ordering in \hat{I}^2 -MnO ₂ "A Temperature Study". Journal of the Physical Society of Japan, 2004, 73, 3444-3447.	1.6	22
50	Incommensurate magnetic structure of \hat{I}^2 -MnO ₂ . Physical Review B, 2003, 68, .	3.2	24
51	Magnetic interaction parameters from paramagnetic diffuse neutron scattering in MnO. Physical Review B, 2003, 68, .	3.2	18
52	Magnetic two-dimensional short-range order in hexagonal manganites. Journal of Applied Physics, 2003, 93, 8191-8193.	2.5	41
53	Diffuse magnetic scattering above T _C in quasi-two-dimensional La _{1.2} Sr _{1.8} Mn ₂ O ₇ . Physical Review B, 2002, 65, .	3.2	12
54	Paramagnetic short-range order in holmium. Physica B: Condensed Matter, 2000, 276-278, 610-611.	2.7	0

#	ARTICLE	IF	CITATIONS
55	Magnetic short-range order in La _{0.85} Sr _{0.15} MnO ₃ . Physica B: Condensed Matter, 2000, 276-278, 608-609.	2.7	2
56	E2: The Flat-Cone Diffractometer at BER II. Journal of Large-scale Research Facilities JLSRF, 0, 4, A129.	0.0	10