

Joachim Hemberger

List of Publications by Year in descending order

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citations

304701

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docs citations

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times ranked

2742
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxor ferroelectricity and colossal magnetocapacitive coupling in ferromagnetic CdCr ₂ S ₄ . Nature, 2005, 434, 364-367.	27.8	475
2	Coherent broadband continuous-wave terahertz spectroscopy on solid-state samples. New Journal of Physics, 2010, 12, 043017.	2.9	198
3	Complex interplay of 3d and 4f magnetism in La ^{1-x} GdxMnO ₃ . Physical Review B, 2004, 70, .	3.2	175
4	Multiferroic phases of Eu ^{1-x} YxMnO ₃ . Physical Review B, 2007, 75, .	3.2	174
5	A ferroelectric quantum phase transition inside the superconducting dome of Sr ^{1-x} CaxTiO ₃ . Nature Physics, 2017, 13, 643-648.	16.7	160
6	Geometric frustration in the cubic spinels MA ₂ O ₄ (M=Co, Fe, and Mn). Physical Review B, 2005, 72, .	3.2	156
7	Large Magnetostriction and Negative Thermal Expansion in the Frustrated Antiferromagnet ZnCr ₂ Se ₄ . Physical Review Letters, 2007, 98, 147203.	7.8	131
8	Switching the ferroelectric polarization in the cuprate $S_{1-x}Li_x$. Physical Review Letters, 2006, 96, 087204.	3.2	105
9	Spin-Driven Phonon Splitting in Bond-Frustrated ZnCr ₂ S ₄ . Physical Review Letters, 2006, 97, 087204.	7.8	91
10	Using a fiber stretcher as a fast phase modulator in a continuous wave terahertz spectrometer. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 614.	2.1	59
11	Relaxation dynamics and colossal magnetocapacitive effect in CdCr ₂ S ₄ . Physical Review B, 2005, 72, .	3.2	54
12	Mn ₂ FeWO ₆ : A New Ni ₃ TeO ₆ -Type Polar and Magnetic Oxide. Advanced Materials, 2015, 27, 2177-2181.	21.0	53
13	Spin-phonon coupling in ZnCr ₂ Se ₄ . Physical Review B, 2007, 75, . Polar phonons and spin-phonon coupling in HgCr ₂ S ₄ . Physical Review B, 2006, 73, .	3.2	46
14	Cr ₂ S ₄ and Cr ₄ S ₄ . Physical Review B, 2006, 73, .	3.2	45
15	Magnetic Structure Stabilized Polarization in an Above-Room-Temperature Ferrimagnet. Angewandte Chemie - International Edition, 2014, 53, 10774-10778.	13.8	44
16	Experimental evidence for competition between antiferromagnetic and ferromagnetic correlations in HgCr ₂ S ₄ . Physical Review B, 2006, 73, .	3.2	40
17	Heat capacity of the quantum magnet TiOCl. Physical Review B, 2005, 72, .	3.2	33
18	Multiferroicity and colossal magneto-capacitance in Cr-thiospinels. Phase Transitions, 2006, 79, 1065-1082.	1.3	33

#	ARTICLE	IF	CITATIONS
19	Antiferroelectric (Pb,Bi) $_{1-x}$ Fe $_{1+x}$ O $_{3-y}$ Perovskites Modulated by Crystallographic Shear Planes. Chemistry of Materials, 2011, 23, 255-265.	6.7	33
20	Spin dynamics in the low-dimensional magnet TiOCl. Physical Review B, 2006, 73, .	3.2	29
21	Critical Slowing Down near the Multiferroic Phase Transition in MnWO_4 . Phonon anomalies and possible local lattice distortions in giant magnetocapacitive CdCr $_{2}$ S $_{4}$. Physical Review Letters, 2015, 114, 087401.	7.8	27
22	$2S < 4S$. Phonon anomalies and possible local lattice distortions in giant magnetocapacitive CdCr $_{2}$ S $_{4}$. Physical Review Letters, 2015, 114, 087401.	3.2	26
23	Is CdCr $_{2}$ S $_{4}$ a multiferroic relaxor? (reply). Nature, 2007, 448, E5-E6.	27.8	22
24	Domain dynamics in the multiferroic phase of MnWO_4 . Physical Review B, 2014, 89, .	3.2	21
25	Critical speeding-up in the magnetoelectric response of spin-ice near its monopole liquid "gas" transition. Nature Communications, 2014, 5, 4853.	12.8	19
26	Group Delay in THz Spectroscopy with Ultra-Wideband Log-Spiral Antennae. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 918-931.	2.2	15
27	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. Npj Quantum Materials, 2020, 5, .	5.2	14
28	Anisotropy of the paramagnetic susceptibility in LaTiO $_{3}$: The electron-distribution picture in the ground state. Physical Review B, 2004, 70, .	3.2	11
29	Ternary magnetic semiconductors: recent developments in physics and technology. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1082-1089.	1.8	10
30	Enhancing the stability of a continuous-wave terahertz system by photocurrent normalization. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1397.	2.1	8
31	Evidence for polarized nanoregions from the domain dynamics in multiferroic LiCuVO $_{4}$. Scientific Reports, 2019, 9, 4391.	3.3	8
32	Evidence for current-induced phase coexistence in Ca $_{2}$ RuO $_{4}$ and its influence on magnetic order. Physical Review Materials, 2020, 4, .	2.4	8
33	Self-normalizing phase measurement in multimode terahertz spectroscopy based on photomixing of three lasers. Applied Physics Letters, 2015, 106, .	3.3	7
34	Site disorder and spin-glass ordering in PrAu $_{2}$ Si $_{2}$. Journal of Applied Physics, 2005, 97, 10A908.	2.5	5
35	Intrinsic Ferroelectricity in Charge-Ordered Magnetite. Crystals, 2019, 9, 546.	2.2	5
36	Observation of chiral solitons in LiCuVO $_{4}$. Communications Physics, 2022, 5, .	5.3	4

#	ARTICLE	IF	CITATIONS
37	Terahertz Measurements on Subwavelength-Size Samples Down to the Tunneling Limit. Journal of Infrared, Millimeter, and Terahertz Waves, 2022, 43, 314-334.	2.2	1