

Bastian Klemke

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,014
citations

687363

13
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1579
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous magnetic noise in an imperfectly flat landscape in the topological magnet Dy ₂ Ti ₂ O ₇ . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119.	7.1	10
2	Signatures for Berezinskii-Kosterlitz-Thouless critical behavior in the planar antiferromagnet BaNi_2O_8 . Physical Review B, 2021, 104, .	3.2	6
3	Revealing the NIR-triggered chemotherapy therapeutic window of magnetic and thermoresponsive nanogels. Nanoscale, 2020, 12, 21635-21646.	5.6	13
4	Galvanic Replacement as a Synthetic Tool for the Construction of Anisotropic Magnetoplasmonic Nanocomposites with Synergistic Phototransducing and Magnetic Properties. ACS Applied Materials & Interfaces, 2020, 12, 56839-56849.	8.0	2
5	Vom Dirac-String zum Spineis. Physik in Unserer Zeit, 2017, 48, 12-19.	0.0	5
6	Investigation of the spin-1 honeycomb antiferromagnet BaNi_2O_8 . Physical Review B, 2017, 96, .	3.2	14
7	Transferrin Decorated Thermoresponsive Nanogels as Magnetic Trap Devices for Circulating Tumor Cells. Macromolecular Rapid Communications, 2016, 37, 439-445.	3.9	26
8	Thermodynamic properties of the anisotropic frustrated spin-chain compound linarite $\text{PbCuSO}_4(\text{OH})$. Physical Review B, 2013, 88, .	3.2	40
9	Magnetic phase diagram of CePt_3Si . Physical Review B, 2012, 86, .	3.2	46
10	Magnetic phase diagram of CePt_3Si . Physical Review B, 2012, 86, .	3.2	1
11	Mutual induction of magnetic 3d and 4f order in multiferroic hexagonal ErMnO_3 . Physical Review B, 2012, 86, .	3.2	7
12	Mutual induction of magnetic 3d and 4f order in multiferroic hexagonal ErMnO_3 . Physical Review B, 2012, 86, .	3.2	37
13	Growth and magnetic properties of stoichiometric and site-disordered single crystalline MgV_2O_4 . Physical Review B, 2012, 85, .	3.2	12
14	Magnetic Frustration in a Quantum Spin Chain: The Case of Linarite $\text{PbCuSO}_4(\text{OH})$. Physical Review B, 2012, 85, 117202.	7.8	55
15	Thermal transport in spin ice. Continuum Mechanics and Thermodynamics, 2012, 24, 347-359.	2.2	1
16	Coexistence of long- and short-range magnetic order in the frustrated magnet SrYb_2O_4 . Physical Review B, 2012, 86, .	3.2	34
17	Dipolar Antiferromagnetism and Quantum Criticality in LiErF_4 . Science, 2012, 336, 1416-1419.	12.6	42
18	Solitonic lattice and Yukawa forces in the rare-earth orthoferrite TbFeO_3 . Nature Materials, 2012, 11, 694-699.	27.5	70

#	ARTICLE	IF	CITATIONS
19	Thermal Relaxation and Heat Transport in the Spin Ice Material Dy ₂ Ti ₂ O ₇ . Journal of Low Temperature Physics, 2011, 163, 345-369.	1.4	41
20	Neutron diffraction on the layered Ising magnet KEr(MoO ₄) ₂ . Journal of Physics: Conference Series, 2010, 251, 012024.	0.4	2
21	Neutron diffraction study on the two-dimensional Ising system KEr(MoO ₄) ₂ . Physical Review B, 2010, 82, .	3.2	8
22	Magnetic structure and interactions in the quasi-one-dimensional antiferromagnet CaV_2O_7 . Physical Review B, 2009, 79, .	3.2	23
23	Raman spectroscopy and inelastic neutron scattering study of crystalline L-valine. Journal of Physics Condensed Matter, 2009, 21, 415404.	1.8	6
24	Dirac Strings and Magnetic Monopoles in the Spin Ice Dy ₂ Ti ₂ O ₇ . Science, 2009, 326, 411-414.	12.6	499
25	Tetrahedra system Cu ₄ OCl ₆ : High-temperature manifold of molecular configurations governing low-temperature properties. Physical Review B, 2008, 77, .	3.2	14