Bastian Klemke

List of Publications by Year
in descending order

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	Dirac Strings and Magnetic Monopoles in the Spin Ice Dy ₂ Ti ₂ O ₇. Science, 2009, 326, 411-414.	12.6	499
2	Solitonic lattice and Yukawa forces in the rare-earth orthoferrite TbFeO3. Nature Materials, 2012, 11, 694-699.	27.5	70
3	Magnetic Frustration in a Quantum Spin Chain: The Case of Linarite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PbCuSO</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mi>OH</mml:mi><mml:msub><mml:mo) Ti ETOq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (s	7.8	55
4	Field-induced magnetic ordering and single-ion anisotropy in the quasi-one-dimensional Haldane chain compound SrNi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	46
5	Dipolar Antiferromagnetism and Quantum Criticality in LiErF ₄. Science, 2012, 336, 1416-1419.	12.6	42
6	Thermal Relaxation and Heat Transport in the Spin Ice Material Dy2Ti2O7. Journal of Low Temperature Physics, 2011, 163, 345-369.	1.4	41
7	Thermodynamic properties of the anisotropic frustrated spin-chain compound linarite PbCuSO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>(OH)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	3.2	40
8	Mutual induction of magnetic 3dand 4forder in multiferroic hexagonal ErMnO3. Physical Review B, 2012, 86, .	3.2	37
9	Coexistence of long- and short-range magnetic order in the frustrated magnet SrYb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	34
10	Transferrin Decorated Thermoresponsive Nanogels as Magnetic Trap Devices for Circulating Tumor Cells. Macromolecular Rapid Communications, 2016, 37, 439-445.	3.9	26
11	Magnetic structure and interactions in the quasi-one-dimensional antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaV</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Physical Review B, 2009, 79, .	3.2	23
12	Tetrahedra systemCu4OCl6daca4: High-temperature manifold of molecular configurations governing low-temperature properties. Physical Review B, 2008, 77, .	3.2	14
13	Investigation of the spin-1 honeycomb antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">BaNi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math> with easy-plane anisotropy. Physical Review B, 2017, 96, .	3.2	14
14	Revealing the NIR-triggered chemotherapy therapeutic window of magnetic and thermoresponsive nanogels. Nanoscale, 2020, 12, 21635-21646.	5.6	13
15	Growth and magnetic properties of stoichiometric and site-disordered single crystalline MgV2O4. Physical Review B, 2012, 85, .	3.2	12
16	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
17	Neutron diffraction study on the two-dimensional Ising systemKEr(MoO4)2. Physical Review B, 2010, 82, .	3.2	8
18	Magnetoelectric properties in orthorhombic Nd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Y<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	7

#	Article	IF	Citations
19	Raman spectroscopy and inelastic neutron scattering study of crystalline L-valine. Journal of Physics Condensed Matter, 2009, 21, 415404.	1.8	6
20	Signatures for Berezinskii-Kosterlitz-Thouless critical behavior in the planar antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaNi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	3.2	6
21	Vom Dirac-String zum Spineis. Physik in Unserer Zeit, 2017, 48, 12-19.	0.0	5
22	Neutron diffraction on the layered Ising magnet KEr(Mo0₄)₂. Journal of Physics: Conference Series, 2010, 251, 012024.	0.4	2
23	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
24	Magnetic phase diagram of CePt<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>B<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	1
25	Thermal transport in spin ice. Continuum Mechanics and Thermodynamics, 2012, 24, 347-359.	2.2	1