

Bruno Weise

List of Publications by Year in descending order

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papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Magnetization reversal, field-induced transitions and Hâ€“T phase diagram of Y _{1-x} Ce _x CrO ₃ . Journal of Physics Condensed Matter, 2022, 34, 065801.	1.8	3
2	Determination of the tricritical point, Hâ€“T phase diagram and exchange interactions in the antiferromagnet MnTa ₂ O ₆ . Journal of Physics Condensed Matter, 2022, 34, 155801.	1.8	6
3	Correlation between structure and magnetic ordering in tetragonally distorted off-stoichiometric spinels $Mn_{1-x}O_x$ and $Mn_{1-x}Ni_xO_4$. Physical Review Materials, 2022, 6, .	2.4	1
4	Antiferromagnetic short-range order and cluster spin-glass state in diluted spinel ZnTiCoO ₄ . Journal of Physics Condensed Matter, 2022, , .	1.8	4
5	Effect of Ce substitution on the local magnetic ordering and phonon instabilities in antiferromagnetic DyCrO ₃ perovskites. Journal of Physics Condensed Matter, 2022, 34, 345803.	1.8	3
6	Low-Temperature Magnetothermodynamics Performance of Tb _{1-x} Er _x Ni ₂ Laves-Phases Compounds for Designing Composite Refrigerants. Crystals, 2022, 12, 931.	2.2	3
7	T ₂ - and T ₁ relaxivities and magnetic hyperthermia of iron-oxide nanoparticles combined with paramagnetic Gd complexes. Journal of Chemical Sciences, 2021, 133, 1.	1.5	4
8	Magnetic field-temperature phase diagram, exchange constants and specific heat exponents of the antiferromagnet MnNb ₂ O ₆ . Journal of Physics Condensed Matter, 2021, 33, 345801.	1.8	6
9	Evaluation of the effective temperature change in Gd-based composite wires assessed by static and pulsed-field magnetic measurements. Journal of Magnetism and Magnetic Materials, 2021, 536, 168115.	2.3	2
10	Magnetocaloric prospects of mutual substitutions of rare-earth elements in pseudobinary Tb _{1-x} HoxNi ₂ compositions ($x=0.25-0.75$). Journal of Alloys and Compounds, 2021, 886, 161295.	5.5	13
11	Hydrostatic pressure induced giant enhancement of entropy change as driven by structural transition in Mn _{0.9} Fe _{0.2} Ni _{0.9} Ge _{0.93} Si _{0.07} . Journal of Applied Physics, 2021, 129, .	2.5	1
12	ROS-generation and cellular uptake behavior of amino-silica nanoparticles arisen from their uploading by both iron-oxides and hexamolybdenum clusters. Materials Science and Engineering C, 2020, 117, 111305.	7.3	12
13	Predicting the dominating factors during heat transfer in magnetocaloric composite wires. Materials and Design, 2020, 193, 108832.	7.0	7
14	Entropy of Conduction Electrons from Transport Experiments. Entropy, 2020, 22, 244.	2.2	4
15	Florescent magnetic nanoparticles for modulating the level of intracellular Ca ²⁺ in motoneurons. Nanoscale, 2019, 11, 16103-16113.	5.6	13
16	Impression of magnetic clusters, critical behavior and magnetocaloric effect in Fe ₃ Al alloys. Physical Chemistry Chemical Physics, 2019, 21, 10823-10833.	2.8	24
17	Interfacial Thermal Resistance in Magnetocaloric Epoxyâ€“Bonded Laâ€“Feâ€“Si Composites. Energy Technology, 2018, 6, 1448-1452.	3.8	11
18	Magnetic structure and spin correlations in magnetoelectric honeycomb $Mn_4T_2O_{12}$. Physical Review B, 2018, 98, 020401.	3.2	19

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19	Coupling Phenomena in Magnetocaloric Materials. Energy Technology, 2018, 6, 1429-1447.	3.8	15
20	Role of disorder when upscaling magnetocaloric Ni-Co-Mn-Al Heusler alloys from thin films to ribbons. Scientific Reports, 2018, 8, 9147.	3.3	19
21	Record-high thermal barrier of the relaxation of magnetization in the nitride clusterfullerene Dy ₂ ScN@C ₈₀ -I _h . Chemical Communications, 2017, 53, 7901-7904.	4.1	95
22	Neutron diffraction study of the inverse spinels $\text{Co}_{1-x}\text{Mn}_2\text{O}_4$ and $\text{Co}_{1-x}\text{Mn}_2\text{O}_4$. Physical Review B, 2017, 96, .	3.2	30
23	Effects of Cu doping on the electronic structure and magnetic properties of MnCo ₂ O ₄ nanostructures. Journal of Physics Condensed Matter, 2017, 29, 425803.	1.8	31
24	Anisotropic thermal conductivity in epoxy-bonded magnetocaloric composites. Journal of Applied Physics, 2016, 120, .	2.5	7
25	Structure and giant inverse magnetocaloric effect of epitaxial Ni-Co-Mn-Al films. Physical Review B, 2015, 91, .	3.2	36
26	Exchange bias effect in martensitic epitaxial Ni-Mn-Sn thin films applied to pin CoFeB/MgO/CoFeB magnetic tunnel junctions. Applied Physics Letters, 2015, 106, .	3.3	14
27	Asymmetric first-order transition and interlocked particle state in magnetocaloric La(Fe,Si) ₁₃ . Physica Status Solidi - Rapid Research Letters, 2015, 9, 136-140.	2.4	54
28	Epoxy-bonded La-Fe-Co-Si magnetocaloric plates. Journal of Magnetism and Magnetic Materials, 2015, 375, 65-73.	2.3	82