

Tom Faske

List of Publications by Year in descending order

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17
papers

222
citations

933447

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996975

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17
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of microstructure on the application of Ni-Mn-In Heusler compounds for multicaloric cooling using magnetic field and uniaxial stress. Acta Materialia, 2021, 217, 117157.	7.9	18
2	Magnetic-field-induced structural phase transition and giant magnetoresistance in $\text{La}_{0.85}\text{B}_6$. Physical Review Materials, 2021, 5, .	2.4	5
3	Evidence for a coupled magnetic-crystallographic transition in $\text{La}_{0.9}\text{B}_6$. Physical Review B, 2021, 104, .	3.2	1
4	Direct observation of paramagnetic spin fluctuations in $\text{LaFe}_{13}\text{Si}_x$. Journal of Physics Condensed Matter, 2020, 32, 115802.	1.8	5
5	Pressure Dependence of Magnetic Properties in $\text{LaFe}_{11.4}\text{Si}_{1.6}$. Physical Review Materials, 2021, 5, .	2.4	2
6	Multistimulus Responsiveness of Caloric Effects by Modeling and Experiment. Physical Review Materials, 2021, 5, .	3.2	15
7	Influence of hydrogenation on the vibrational density of states of magnetocaloric $\text{LaFe}_{11.4}\text{Si}_{1.6}$. Physical Review B, 2020, Ferrimagnetism, exchange bias and spin-glass property of disordered $\text{La}_2\text{CrNiO}_6$. Journal of Magnetism and Magnetic Materials, 2020, 508, 166873.	2.3	12
8	Influence of the martensitic transformation kinetics on the magnetocaloric effect in Ni-Mn-In. Physical Review Materials, 2020, 4, .	2.4	6
9	On the structural and magnetic properties of the double perovskite $\text{Nd}_2\text{NiMnO}_6$. Journal of Materials Science: Materials in Electronics, 2019, 30, 16571-16578.	2.2	3
10	Experimental and computational analysis of binary Fe-Sn ferromagnetic compounds. Acta Materialia, 2019, 180, 126-140.	7.9	14
11	Magnetostructural Coupling Drives Magnetocaloric Behavior: The Case of MnB versus FeB. Chemistry of Materials, 2019, 31, 4873-4881.	6.7	24
12	Intrinsic magnetic properties of hydrided and non-hydrided $\text{Nd}_5\text{Fe}_{17}$ single crystals. Journal of Alloys and Compounds, 2018, 741, 1012-1020.	5.5	9
13	Magnetic structure and spin correlations in magnetoelectric honeycomb Mn_4T_2 . Physical Review B, 2018, 98, 020407.	3.2	19
14	X-ray diffractometer for the investigation of temperature- and magnetic field-induced structural phase transitions. Journal of Applied Crystallography, 2018, 51, 761-767.	4.5	15
15	Magnetic hardening of $\text{Fe}_{50}\text{Co}_{50}$ by rotary swaging. Journal of Magnetism and Magnetic Materials, 2017, 428, 255-259.	2.3	3
16	Influence of magnetic field, chemical pressure and hydrostatic pressure on the structural and magnetocaloric properties of the MnGe system. Journal Physics D: Applied Physics, 2017, 50, 464005.	2.8	30
17	Bulk combinatorial analysis for searching new rare-earth free permanent magnets: Reactive crucible melting applied to the Fe-Sn binary system. Acta Materialia, 2017, 141, 434-443.	7.9	21