

Tom Faske

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

222
citations

933447

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h-index

996975

15
g-index

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all docs

17
docs citations

17
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of magnetic field, chemical pressure and hydrostatic pressure on the structural and magnetocaloric properties of the Mn ²⁺ Ge system. Journal Physics D: Applied Physics, 2017, 50, 464005.	2.8	30
2	Magnetostructural Coupling Drives Magnetocaloric Behavior: The Case of MnB versus FeB. Chemistry of Materials, 2019, 31, 4873-4881.	6.7	24
3	Pressure Dependence of Magnetic Properties in $\text{La}_{1-x}\text{Fe}_x\text{Mn}_2$: Multistimulus Responsiveness of Caloric Effects by Modeling and Experiment. Physical Review Applied, 2020, 13, .	3.2	22
4	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
5	Influence of microstructure and spin correlations in magnetoelastic Mn_4T compounds. Physical Review Applied, 2020, 13, .	3.2	19
6	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
7	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
8	Influence of hydrogenation on the vibrational density of states of magnetocaloric $\text{LaFe}_{11.4}\text{Si}$ compounds. Physical Review B, 2020, 102, 014407.	3.2	15
9	Experimental and computational analysis of binary Fe-Sn ferromagnetic compounds. Acta Materialia, 2019, 180, 126-140.	7.9	14
10	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
11	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
12	Influence of the martensitic transformation kinetics on the magnetocaloric effect in Ni-Mn-In. Physical Review Materials, 2020, 4, .	2.4	6
13	Direct observation of paramagnetic spin fluctuations in $\text{LaFe}_{13}\text{Si}_x$. Journal of Physics Condensed Matter, 2020, 32, 115802.	1.8	5
14	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
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	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
17	Evidence for a coupled magnetic-crystallographic transition in $\text{La}_{0.9}\text{B}_6$. Physical Review B, 2021, 104, .	3.2	1