

Lawrence Bennett

List of Publications by Year in descending order

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29
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248
citing authors

#	ARTICLE	IF	CITATIONS
1	Martensitic Transformation and Magnetocaloric Effect in Co-Doped Ni ₄₅ Mn ₅ In Ferromagnetic Shape Memory Alloy. IEEE Transactions on Magnetics, 2021, 57, 1-6.	2.1	1
2	Hysteresis loss reduction and magnetocaloric effect improvement in the Ni-Co-Mn-In alloys. AIP Advances, 2020, 10, 015227.	1.3	3
3	Direct and indirect measurement of the magnetocaloric effect in bulk and nanostructured Ni-Mn-In Heusler alloy. AIP Advances, 2018, 8, .	1.3	13
4	Entropy Change and Hysteresis Losses in Ni ₄₅ Co ₅ Mn _(37-x) In _(13+x) Alloy Family.. , 2018, , .		0
5	Customizing Magnetic and Structural Properties of Nanomaterials. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	5
6	Enhanced magnetic properties of yttrium-iron nanoparticles. AIP Advances, 2017, 7, 056423.	1.3	10
7	Enhanced Magnetic Properties of Ni ₅₁ Mn _{33.4} In _{15.6} Heusler Alloy Nanoparticles. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	11
8	Tuning the heat transfer medium and operating conditions in magnetic refrigeration. AIP Advances, 2016, 6, 075221.	1.3	4
9	Vector Magnetization of a Distribution of Uniaxial Particles. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	3
10	Magnetic states stabilization in Ni ₅₁ Mn _{33.4} In _{15.6} Heusler alloy. Cogent Physics, 2015, 2, 1109019.	0.7	0
11	Vector properties of magnetostriction. Journal of Applied Physics, 2015, 117, 17D141.	2.5	1
12	Magnetocaloric properties of metallic nanostructures. Cogent Engineering, 2015, 2, 1050324.	2.2	17
13	Cooling factor for magnetic refrigeration systems. Cogent Physics, 2014, 1, 979604.	0.7	0
14	Ferri-to-ferro-magnetic and ferro-to-para-magnetic transitions in Ni ₄₈ Co ₂ Mn ₃₅ In ₁₃ Ga ₂ Heusler alloy. Journal of Applied Physics, 2014, 115, 17A906.	2.5	5
15	Physical Justification for Negative Remanent Magnetization in Homogeneous Nanoparticles. Scientific Reports, 2014, 4, 6267.	3.3	21
16	Metastability in the Magnetic Structure of Ni ₅₁ Mn _{33.4} In _{15.6} Heusler Alloy. IEEE Magnetics Letters, 2013, 4, 6000204-6000204.	1.1	5
17	Study of Magnetizing Processes in Ni ₅₀ Mn ₃₅ In ₁₅ Heusler Alloy. IEEE Transactions on Magnetics, 2013, 49, 4956-4959.	2.1	1
18	Implicit measurement of the latent heat in a magnetocaloric NiMnIn Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	9

#	ARTICLE	IF	CITATIONS
19	Interpretation of thermal dependence of magnetic aftereffect for magnetic nanocomposite with slow decay rates. International Journal of Smart and Nano Materials, 2013, 4, 91-101.	4.2	0
20	Self-similarity in $(\hat{M}/\hat{T})/H$ curves for magnetocaloric materials with ferro-to-paramagnetic phase transitions. Journal of Applied Physics, 2012, 111, .	2.5	9
21	Adiabatic magnetocaloric temperature change in polycrystalline gadolinium – A new approach highlighting reversibility. AIP Advances, 2012, 2, .	1.3	15
22	Design and Instrumentation of an Advanced Magnetocaloric Direct Temperature Measurement System. IEEE Transactions on Magnetics, 2012, 48, 3999-4002.	2.1	13
23	Evidence of metastability near the Curie temperature of polycrystalline gadolinium. Journal of Applied Physics, 2012, 112, .	2.5	2
24	Characterization of the Mixed-Phase States Using Self-Similarity Phenomenon for First-Order Magnetocaloric Metamagnets. IEEE Transactions on Magnetics, 2012, 48, 3992-3994.	2.1	0
25	A Preisach-Type Magnetostriction Model for Materials Exhibiting Villari Reversal. IEEE Transactions on Magnetics, 2012, 48, 3360-3362.	2.1	8
26	Identifying Hysteresis Losses in Magnetic Media. IEEE Transactions on Magnetics, 2010, 46, 3844-3847.	2.1	2
27	Effect of Magnetic Field Dynamics on the Copper–Constantan Thermocouple Performance. Instrumentation Science and Technology, 2005, 33, 661-671.	1.8	13
28	Monte Carlo simulations of the magnetocaloric effect in superferromagnetic clusters having uniaxial magnetic anisotropy. Journal of Applied Physics, 1994, 75, 5493-5495.	2.5	29