Edward Della Torre

List of Publications by Year
in descending order

52 papers	611 citations	687363 13 h-index	610901 24 g-index
53 all docs	53 docs citations	53 times ranked	709 citing authors

#	Article	IF	Citations
1	Direct and indirect measurement of the magnetocaloric effect in bulk and nanostructured Ni-Mn-In Heusler alloy. AIP Advances, 2018, 8, .	1.3	13
2	Properties of uniaxial media model. Physica B: Condensed Matter, 2018, 549, 40-42.	2.7	0
3	Entropy Change and Hysteresis Losses in $Ni_{45}Co_5Mn_{(37-x)}In_{(13+x)}$ Alloy Family.. , 2018, , .		0
4	Customizing Magnetic and Structural Properties of Nanoma-terials. , 2018, , .		0
5	Customizing Magnetic and Structural Properties of Nanomaterials. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	5
6	Vector magnetization of a distribution of cubic particles. AIP Advances, 2017, 7, .	1.3	1
7	Enhanced magnetic properties of yttrium-iron nanoparticles. AIP Advances, 2017, 7, 056423.	1.3	10
8	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
9	Tuning the heat transfer medium and operating conditions in magnetic refrigeration. AIP Advances, 2016, 6, 075221.	1.3	4
10	A vector model for off-axis hysteresis loops using anisotropy field. Physica B: Condensed Matter, 2016, 501, 113-116.	2.7	6
11	Electric field-controlled magnetization switching in Co/Pt thin-film ferromagnets. Cogent Physics, 2016, 3, .	0.7	0
12	Vector Magnetization of a Distribution of Uniaxial Particles. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	3
13	Magnetic states stabilization in Ni51Mn33.4In15.6 Heusler alloy. Cogent Physics, 2015, 2, 1109019.	0.7	0
14	Magnetocaloric effect in NiMnInSi Heusler alloys. Journal of Applied Physics, 2015, 117, 17D107.	2.5	14
15	Vector properties of magnetostriction. Journal of Applied Physics, 2015, 117, 17D141.	2.5	1
16	Magnetocaloric properties of metallic nanostructures. Cogent Engineering, 2015, 2, 1050324.	2.2	17
17	Cooling factor for magnetic refrigeration systems. Cogent Physics, 2014, 1, 979604.	0.7	0
18	Application of a Della Torre-Oti-Kadar stress-dependent Preisach model through a numerical model. Journal of Applied Physics, 2014, 115, 17D112.	2.5	1

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19	Self-similar field dependent curves for a Heusler alloy. Physica B: Condensed Matter, 2014, 435, 71-75.	2.7	2
20	Ferri-to-ferro-magnetic and ferro-to-para-magnetic transitions in Ni48Co2Mn35In13Ga2 Heusler alloy. Journal of Applied Physics, 2014, 115, 17A906.	2.5	5
21	Stress-associated changes in the magnetic properties of high strength steels. Physica B: Condensed Matter, 2014, 435, 16-20.	2.7	7
22	Magnetostriction measurements of high strength steel under the influence of bi-axial magnetic fields. Physica B: Condensed Matter, 2014, 435, 129-133.	2.7	3
23	Hysteresis modeling of sequential application of orthogonal fields. Journal of Applied Physics, 2014, 115, 17D106.	2.5	0
24	Physical Justification for Negative Remanent Magnetization in Homogeneous Nanoparticles. Scientific Reports, 2014, 4, 6267.	3.3	21
25	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
26	Study of Magnetizing Processes in ${\hbox{Ni}}_{50}{\hbox{Mn}}_{35}{\hbox{In}}_{15}$ Heusler Alloy. IEEE Transactions on Magnetics, 2013, 49, 4956-4959.	2.1	1
27	Magnetization model for a Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	3
28	Implicit measurement of the latent heat in a magnetocaloric NiMnIn Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	9
29	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
30	Self-similarity in ($\partial M/\partial T$)H curves for magnetocaloric materials with ferro-to-paramagnetic phase transitions. Journal of Applied Physics, 2012, 111, .	2.5	9
31	Adiabatic magnetocaloric temperature change in polycrystalline gadolinium – A new approach highlighting reversibility. AIP Advances, 2012, 2, .	1.3	15
32	Design and Instrumentation of an Advanced Magnetocaloric Direct Temperature Measurement System. IEEE Transactions on Magnetics, 2012, 48, 3999-4002.	2.1	13
33	Evidence of metastability near the Curie temperature of polycrystalline gadolinium. Journal of Applied Physics, 2012, 112, .	2.5	2
34	Ferri- to ferro-magnetic transition in the martensitic phase of a Heusler alloy. Journal of Alloys and Compounds, 2012, 525, 34-38.	5.5	37
35	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
36	A Preisach-Type Magnetostriction Model for Materials Exhibiting Villari Reversal. IEEE Transactions on Magnetics, 2012, 48, 3360-3362.	2.1	8

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37	Modeling of Vector Hysteresis in Si-Fe Magnetic Steels and Experimental Verification. IEEE Transactions on Magnetics, 2010, 46, 3465-3468.	2.1	4
38	Identifying Hysteresis Losses in Magnetic Media. IEEE Transactions on Magnetics, 2010, 46, 3844-3847.	2.1	2
39	Vector hysteresis modeling for anisotropic magnetic materials. , 2010, , .		0
40	Experimental Verification of the Deletion and Congruency Properties in Si-Fe Magnetic Steels. IEEE Transactions on Magnetics, 2009, 45, 5243-5246.	2.1	11
41	Analysis of a Unit Magnetic Particle Via the DPC Model. IEEE Transactions on Magnetics, 2009, 45, 5192-5195.	2.1	27
42	Theoretical Considerations of Magnetic Hysteresis and Transformer Inrush Current. IEEE Transactions on Magnetics, 2009, 45, 5247-5250.	2.1	27
43	Vector modeling—Part I: Generalized hysteresis model. Physica B: Condensed Matter, 2006, 372, 111-114.	2.7	62
44	Comparison of the differential equation accommodation model with experiment. Journal of Applied Physics, 2006, 99, 08D706.	2.5	5
45	Analysis of wasp-waist hysteresis loops. Journal of Applied Physics, 2005, 97, 10E502.	2.5	84
46	Properties of vector preisach models. IEEE Transactions on Magnetics, 2005, 41, 8-16.	2.1	10
47	Extension of the BlochT3/2Law to Magnetic Nanostructures: Bose-Einstein Condensation. Physical Review Letters, 2005, 94, 147210.	7.8	69
48	Differential Equation Model for Accommodation Magnetization. IEEE Transactions on Magnetics, 2004, 40, 1499-1505.	2.1	8
49	Rotational magnetization measurements on magnetic particle recording tape. Physica B: Condensed Matter, 2004, 343, 350-356.	2.7	6
50	Estimation of MnZn ferrite core losses in magnetic components at high frequency. IEEE Transactions on Magnetics, 2001, 37, 2366-2368.	2.1	27
51	Identification of parameters in multilayer media. IEEE Transactions on Magnetics, 2000, 36, 1272-1275.	2.1	8
52	Efficient numerical implementation of complete-moving-hysteresis models. IEEE Transactions on Magnetics, 1993, 29, 1532-1537.	2.1	35