Igor Dubenko

List of Publications by Year in descending order

49 papers	1,735 citations	361045 20 h-index	276539 41 g-index
51 all docs	51 docs citations	51 times ranked	1502 citing authors

#	Article	IF	Citations
1	The influence of hydrostatic pressure and annealing conditions on the magnetostructural transitions in MnCoGe. Journal of Applied Physics, 2021, 129, .	1.1	9
2	The influence of Au substitution and hydrostatic pressure on the phase transitions and magnetocaloric properties of MnCoGe alloys. Journal of Applied Physics, 2020, 127, .	1.1	12
3	Magnetic field dependence of the martensitic transition and magnetocaloric effects in Ni49BiMn35In15. AIP Advances, 2020, 10, 015138.	0.6	1
4	Effects of magnetic and structural phase transitions on the normal and anomalous Hall effects in Ni-Mn-In-B Heusler alloys. Physical Review B, 2020, 101, .	1.1	24
5	NMR studies of the ground states of Ni50-xCoxMn35In15 (x=1, 2.5) and Ni45Co5Mn37In13 Heusler alloys. AIP Advances, 2020, 10, 015328.	0.6	0
6	Giant reversible barocaloric response of (MnNiSi)1â^'x(FeCoGe)x (x = 0.39, 0.40,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	27
7	Drastic violation of the basic correlation between the Hall effect and resistivity in the Heusler alloy Ni45Cr5Mn37In13. Journal of Magnetism and Magnetic Materials, 2019, 481, 25-28.	1.0	5
8	Magnetostructural phase transitions and large magnetic entropy changes in Ag-doped Mn1â^'xAgxCoGe intermetallic compounds. MRS Communications, 2019, 9, 315-320.	0.8	4
9	Adiabatic Temperature Changes at Structural and Magnetic Phase Transitions in Ni₄₅Mn₄₃CoSn₁₁ at High Magnetic Fields. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	3
10	Effects of Rare-Earth (R = Pr, Gd, Ho, Er) Doping on Magnetostructural Phase Transitions and Magnetocaloric Properties in Ni_{43â€"<italic>x</italic>}R_{<italic>x</italic>}Mn₄₆Sn₁₁ Shape Memory Alloys. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	2
11	Magnetostructural transitions and magnetocaloric effects in Ni50Mn35In14.25B0.75 ribbons. AIP Advances, 2018, 8, 056434.	0.6	8
12	Magnetic and magnetocaloric properties of Ni-Mn-Cr-Sn Heusler alloys under the effects of hydrostatic pressure. AIP Advances, 2018, 8, .	0.6	4
13	Barocaloric and magnetocaloric effects in (MnNiSi)1â^'x(FeCoGe)x. Applied Physics Letters, 2018, 112, .	1.5	65
14	Tuning martensitic transitions in (MnNiSi)0.65(Fe2Ge)0.35 through heat treatment and hydrostatic pressure. Journal of Applied Physics, 2018, 124, .	1.1	14
15	Magnetic and martensitic transformations in Ni48Co2Mn35In15 melt-spun ribbons. AIP Advances, 2018, 8, 101410.	0.6	1
16	Microwave absorption through the martensitic and Curie transitions in Ni45Cr5Mn37In13. AIP Advances, 2018, 8, .	0.6	3
17	Effect of Bi substitution on the magnetic and magnetocaloric properties of Ni50Mn35In15-xBix Heusler alloys. AIP Advances, 2018, 8, 056409.	0.6	6
18	Critical behavior in Ni2MnGa and Ni2Mn0.85Cu0.15Ga. Journal of Applied Physics, 2018, 123, .	1.1	6

#	Article	IF	Citations
19	The influence of hydrostatic pressure on the magnetic and magnetocaloric properties of DyRu2Si2. Journal of Applied Physics, 2017, 121, 045101.	1.1	3
20	Effects of the partial substitution of Ni by Cr on the transport, magnetic, and magnetocaloric properties of Ni50Mn37In13. AIP Advances, 2017, 7, .	0.6	6
21	Giant field-induced adiabatic temperature changes in In-based off-stoichiometric Heusler alloys. Journal of Applied Physics, 2017, 121, .	1.1	20
22	Magnetic, structural and magnetocaloric properties of Ni-Si and Ni-Al thermoseeds for self-controlled hyperthermia. International Journal of Hyperthermia, 2017, 33, 1-6.	1.1	3
23	The effects of hydrostatic pressure on the martensitic transition, magnetic, and magnetocaloric effects of Ni45Mn43CoSn11. MRS Communications, 2017, 7, 885-890.	0.8	9
24	Large Inverse Magnetocaloric Effects and Giant Magnetoresistance in Ni-Mn-Cr-Sn Heusler Alloys. Magnetochemistry, 2017, 3, 3.	1.0	25
25	Phase Transitions and Magnetocaloric Properties in MnCo_{1â^'x}Zr_xGe Compounds. Advances in Condensed Matter Physics, 2017, 2017, 1-6.	0.4	12
26	The effects of substituting Ag for In on the magnetoresistance and magnetocaloric properties of Ni-Mn-In Heusler alloys. AIP Advances, 2016, 6, .	0.6	17
27	Magnetic and magneto-transport studies of substrate effect on the martensitic transformation in a NiMnIn shape memory alloy. AIP Advances, 2016, 6, .	0.6	8
28	Hydrostatic pressure-induced modifications of structural transitions lead to large enhancements of magnetocaloric effects in MnNiSi-based systems. Physical Review B, 2015, 91, .	1.1	100
29	Crystal Structures and Magnetic Properties of the R3Co29Ge4B10 (R = Ce, Pr, Nd, Sm, Gd, and Dy) Borides. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1645-1648.	0.8	0
30	Asymmetric magnetoresistance in bulk In-based off-stoichiometric Heusler alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1000-1003.	0.8	9
31	Phase diagram and magnetocaloric effects in aluminum doped MnNiGe alloys. Journal of Applied Physics, 2013, 114, .	1.1	45
32	Induced magnetic anisotropy and spin polarization in pulsed laserâ€“deposited Co2MnSb thin films. Journal of Applied Physics, 2012, 111, 023903.	1.1	2
33	The comparison of direct and indirect methods for determining the magnetocaloric parameters in the Heusler alloy Ni50Mn34.8In14.2B. Applied Physics Letters, 2012, 100, 192402.	1.5	22
34	Room Temperature Ferromagnetism and Photoluminescence of Fe Doped ZnO Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 23671-23676.	1.5	81
35	Magnetism and magnetocaloric effects in Ni50Mn35â^'xCoxIn15 Heusler alloys. Journal of Applied Physics, 2010, 107, .	1.1	30
36	Ferromagnetism in ZnO Nanocrystals: Doping and Surface Chemistry. Journal of Physical Chemistry C, 2010, 114, 1451-1459.	1.5	95

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37	Large inverse magnetic entropy changes and magnetoresistance in the vicinity of a field-induced martensitic transformation in Ni50â^'xCoxMn32â^'yFeyGa18. Applied Physics Letters, 2010, 97, .	1.5	48
38	Magnetic and electrical properties of Ni50Mn35In15â^'xSix Heusler alloys. Journal of Applied Physics, 2009, 105, .	1.1	9
39	Magnetic and transport properties of Co2MnSnxSb1â^'x Heusler alloys. Journal of Applied Physics, 2009, 105, .	1.1	20
40	Magnetic, magnetocaloric, and magnetoelastic properties of LaFe11.57Si1.43Bx compounds. Journal of Applied Physics, 2009, 106, .	1.1	11
41	Magnetic anisotropy of Co2MnSn1â^'xSbx thin films grown on GaAs (001). Journal of Applied Physics, 2009, 105, .	1.1	3
42	Exchange bias in bulk Niâ€“Mnâ€“In-based Heusler alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 963-965.	1.0	88
43	Phase transitions and magnetoresistance in Ni50Mn50â^'xInx Heusler alloys. Journal of Applied Physics, 2008, 103, .	1.1	53
44	Phase transitions and corresponding magnetic entropy changes in Ni2Mn0.75Cu0.25â^'xCoxGa Heusler alloys. Journal of Applied Physics, 2007, 102, 023901.	1.1	16
45	Exchange bias in bulk Mn rich Niâ€“Mnâ€“Sn Heusler alloys. Journal of Applied Physics, 2007, 102, .	1.1	149
46	Exchange bias behavior in Niâ€“Mnâ€“Sb Heusler alloys. Applied Physics Letters, 2007, 91, 072510.	1.5	231
47	Large magnetic entropy change in Ni50Mn50â^'xInx Heusler alloys. Applied Physics Letters, 2007, 90, 262504.	1.5	203
48	The structural and magnetic properties of Ni2Mn1â^'xMxGa (M=Co, Cu). Journal of Applied Physics, 2005, 97, 10M304.	1.1	73
49	Size induced variations in structural and magnetic properties of double exchange La0.8Sr0.2MnO3â^'Î´ nano-ferromagnet. Journal of Applied Physics, 2004, 96, 1202-1208.	1.1	149