

Igor Dubenko

List of Publications by Year in descending order

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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	Exchange bias behavior in Ni _{1-x} Mn _x Sb Heusler alloys. Applied Physics Letters, 2007, 91, 072510.	1.5	231
2	Large magnetic entropy change in Ni ₅₀ Mn _{50-x} In _x Heusler alloys. Applied Physics Letters, 2007, 90, 262504.	1.5	203
3	Size induced variations in structural and magnetic properties of double exchange La _{0.8} Sr _{0.2} MnO ₃ nano-ferromagnet. Journal of Applied Physics, 2004, 96, 1202-1208.	1.1	149
4	Exchange bias in bulk Mn rich Ni _{1-x} Mn _x Sn Heusler alloys. Journal of Applied Physics, 2007, 102, .	1.1	149
5	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
6	Ferromagnetism in ZnO Nanocrystals: Doping and Surface Chemistry. Journal of Physical Chemistry C, 2010, 114, 1451-1459.	1.5	95
7	Exchange bias in bulk Ni _{1-x} Mn _x In-based Heusler alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 963-965.	1.0	88
8	Room Temperature Ferromagnetism and Photoluminescence of Fe Doped ZnO Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 23671-23676.	1.5	81
9	The structural and magnetic properties of Ni ₂ Mn _{1-x} M _x Ga (M=Co, Cu). Journal of Applied Physics, 2005, 97, 10M304.	1.1	73
10	Barocaloric and magnetocaloric effects in (MnNiSi) _{1-x} (FeCoGe) _x . Applied Physics Letters, 2018, 112, .	1.5	65
11	Phase transitions and magnetoresistance in Ni ₅₀ Mn _{50-x} In _x Heusler alloys. Journal of Applied Physics, 2008, 103, .	1.1	53
12	Large inverse magnetic entropy changes and magnetoresistance in the vicinity of a field-induced martensitic transformation in Ni _{50-x} Co _x Mn _{32-y} Fe _y Ga ₁₈ . Applied Physics Letters, 2010, 97, .	1.5	48
13	Phase diagram and magnetocaloric effects in aluminum doped MnNiGe alloys. Journal of Applied Physics, 2013, 114, .	1.1	45
14	Magnetism and magnetocaloric effects in Ni ₅₀ Mn _{35-x} Co _x In ₁₅ Heusler alloys. Journal of Applied Physics, 2010, 107, .	1.1	30
15	Giant reversible barocaloric response of (MnNiSi) _{1-x} (FeCoGe) _x (x = 0.39, 0.40). T _j ETQq1 1 0.784314 rgBT / Overl	2.2	27
16	Large Inverse Magnetocaloric Effects and Giant Magnetoresistance in Ni-Mn-Cr-Sn Heusler Alloys. Magnetochemistry, 2017, 3, 3.	1.0	25
17	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
18	The comparison of direct and indirect methods for determining the magnetocaloric parameters in the Heusler alloy Ni ₅₀ Mn _{34.8} In _{14.2} B. Applied Physics Letters, 2012, 100, 192402.	1.5	22

#	ARTICLE	IF	CITATIONS
19	Magnetic and transport properties of $\text{Co}_2\text{MnSn}_x\text{Sb}_{1-x}$ Heusler alloys. Journal of Applied Physics, 2009, 105, .	1.1	20
20	Giant field-induced adiabatic temperature changes in In-based off-stoichiometric Heusler alloys. Journal of Applied Physics, 2017, 121, .	1.1	20
21	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
22	Phase transitions and corresponding magnetic entropy changes in $\text{Ni}_2\text{Mn}_{0.75}\text{Cu}_{0.25-x}\text{Co}_x\text{Ga}$ Heusler alloys. Journal of Applied Physics, 2007, 102, 023901.	1.1	16
23	Tuning martensitic transitions in $(\text{MnNiSi})_{0.65}(\text{Fe}_2\text{Ge})_{0.35}$ through heat treatment and hydrostatic pressure. Journal of Applied Physics, 2018, 124, .	1.1	14
24	Phase Transitions and Magnetocaloric Properties in $\text{MnCo}_{1-x}\text{Zr}_x\text{Ge}$ Compounds. Advances in Condensed Matter Physics, 2017, 2017, 1-6.	0.4	12
25	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
26	Magnetic, magnetocaloric, and magnetoelastic properties of $\text{LaFe}_{11.57}\text{Si}_{1.43}\text{B}_x$ compounds. Journal of Applied Physics, 2009, 106, .	1.1	11
27	Magnetic and electrical properties of $\text{Ni}_{50}\text{Mn}_{35}\text{In}_{15-x}\text{Six}$ Heusler alloys. Journal of Applied Physics, 2009, 105, .	1.1	9
28	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
29	The effects of hydrostatic pressure on the martensitic transition, magnetic, and magnetocaloric effects of $\text{Ni}_{45}\text{Mn}_{43}\text{CoSn}_{11}$. MRS Communications, 2017, 7, 885-890.	0.8	9
30	The influence of hydrostatic pressure and annealing conditions on the magnetostructural transitions in MnCoGe. Journal of Applied Physics, 2021, 129, .	1.1	9
31	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
32	Magnetostructural transitions and magnetocaloric effects in $\text{Ni}_{50}\text{Mn}_{35}\text{In}_{14.25}\text{B}_{0.75}$ ribbons. AIP Advances, 2018, 8, 056434.	0.6	8
33	Effects of the partial substitution of Ni by Cr on the transport, magnetic, and magnetocaloric properties of $\text{Ni}_{50}\text{Mn}_{37}\text{In}_{13}$. AIP Advances, 2017, 7, .	0.6	6
34	Effect of Bi substitution on the magnetic and magnetocaloric properties of $\text{Ni}_{50}\text{Mn}_{35}\text{In}_{15-x}\text{B}_x$ Heusler alloys. AIP Advances, 2018, 8, 056409.	0.6	6
35	Critical behavior in Ni_2MnGa and $\text{Ni}_2\text{Mn}_{0.85}\text{Cu}_{0.15}\text{Ga}$. Journal of Applied Physics, 2018, 123, .	1.1	6
36	Drastic violation of the basic correlation between the Hall effect and resistivity in the Heusler alloy $\text{Ni}_{45}\text{Cr}_5\text{Mn}_{37}\text{In}_{13}$. Journal of Magnetism and Magnetic Materials, 2019, 481, 25-28.	1.0	5

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37	Magnetic and magnetocaloric properties of Ni-Mn-Cr-Sn Heusler alloys under the effects of hydrostatic pressure. AIP Advances, 2018, 8, .	0.6	4
38	Magnetostructural phase transitions and large magnetic entropy changes in Ag-doped Mn _{1-x} Ag _x CoGe intermetallic compounds. MRS Communications, 2019, 9, 315-320.	0.8	4
39	Magnetic anisotropy of Co ₂ MnSn _{1-x} Sb _x thin films grown on GaAs (001). Journal of Applied Physics, 2009, 105, .	1.1	3
40	The influence of hydrostatic pressure on the magnetic and magnetocaloric properties of DyRu ₂ Si ₂ . Journal of Applied Physics, 2017, 121, 045101.	1.1	3
41	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
42	Microwave absorption through the martensitic and Curie transitions in Ni ₄₅ Cr ₅ Mn ₃₇ In ₁₃ . AIP Advances, 2018, 8, .	0.6	3
43	Adiabatic Temperature Changes at Structural and Magnetic Phase Transitions in Ni ₄₅ Mn ₄₃ CoSn ₁₁ at High Magnetic Fields. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	3
44	Induced magnetic anisotropy and spin polarization in pulsed laser-deposited Co ₂ MnSb thin films. Journal of Applied Physics, 2012, 111, 023903.	1.1	2
45	Effects of Rare-Earth (R = Pr, Gd, Ho, Er) Doping on Magnetostructural Phase Transitions and Magnetocaloric Properties in Ni ₄₃ R _x Mn ₄₆ Sn ₁₁ Shape Memory Alloys. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	2
46	Magnetic and martensitic transformations in Ni ₄₈ Co ₂ Mn ₃₅ In ₁₅ melt-spun ribbons. AIP Advances, 2018, 8, 101410.	0.6	1
47	Magnetic field dependence of the martensitic transition and magnetocaloric effects in Ni ₄₉ BiMn ₃₅ In ₁₅ . AIP Advances, 2020, 10, 015138.	0.6	1
48	Crystal Structures and Magnetic Properties of the R ₃ Co ₂₉ Ge ₄ B ₁₀ (R = Ce, Pr, Nd, Sm, Gd, and Dy) Borides. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1645-1648.	0.8	0
49	NMR studies of the ground states of Ni _{50-x} Co _x Mn ₃₅ In ₁₅ (x=1, 2.5) and Ni ₄₅ Co ₅ Mn ₃₇ In ₁₃ Heusler alloys. AIP Advances, 2020, 10, 015328.	0.6	0