Sudip Pandey

List of Publications by Year
in descending order

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Version: 2024-02-01

43	563	623188	676716
papers	citations	14	22
		h-index	g-index

44	44	44	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional properties related to magnetostructural transitions in ternary and quaternary Heusler alloys. Journal of Magnetism and Magnetic Materials, 2015, 383, 186-189.	1.0	63
2	Magnetostructural phase transitions and magnetocaloric effects in as-cast Mn1-xAlxCoGe compounds. Journal of Alloys and Compounds, 2017, 709, 142-146.	2.8	43
3	Magnetic, transport, and magnetocaloric properties of boron doped Ni-Mn-In alloys. Journal of Applied Physics, 2015, 117, .	1.1	39
4	Giant reversible inverse magnetocaloric effects in Ni50Mn35In15 Heusler alloys. Journal of Alloys and Compounds, 2016, 683, 139-142.	2.8	34
5	Magnetocaloric effect in Ni50Mn35In15 Heusler alloy in low and high magnetic fields. JETP Letters, 2015, 101, 385-389.	0.4	31
6	Inverse magnetocaloric effects in metamagnetic Ni-Mn-In-based alloys in high magnetic fields. Journal of Alloys and Compounds, 2017, 695, 3348-3352.	2.8	27
7	Large Inverse Magnetocaloric Effects and Giant Magnetoresistance in Ni-Mn-Cr-Sn Heusler Alloys. Magnetochemistry, 2017, 3, 3.	1.0	25
8	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
9	Mn2FeSi: An antiferromagnetic inverse-Heusler alloy. Journal of Alloys and Compounds, 2020, 823, 153770.	2.8	22
10	Giant field-induced adiabatic temperature changes in In-based off-stoichiometric Heusler alloys. Journal of Applied Physics, 2017, 121, .	1.1	20
11	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
12	Effects of annealing on the magnetic properties and magnetocaloric effects of B doped Ni-Mn-In melt-spun ribbons. Journal of Alloys and Compounds, 2018, 731, 678-684.	2.8	17
13	Phase transitions and magnetocaloric and transport properties in off-stoichiometric GdNi2Mnx. Journal of Applied Physics, 2016, 119, .	1.1	15
14	Magnetocaloric effects and transport properties of rare-earth (RÂ=ÂLa, Pr, Sm) doped Ni50-xRxMn35Sn15 Heusler alloys. Journal of Alloys and Compounds, 2017, 717, 254-259.	2.8	15
15	Magnetocaloric, thermal, and magnetotransport properties of Ni50Mn35In13.9B1.1 Heusler alloy. Journal of Magnetism and Magnetic Materials, 2017, 444, 98-101.	1.0	14
16	Thermosensitive Ni-based magnetic particles for self-controlled hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2017, 427, 200-205.	1.0	13
17	Comparing magnetostructural transitions in Ni50Mn18.75Cu6.25Ga25 and Ni49.80Mn34.66In15.54 Heusler alloys. Journal of Magnetism and Magnetic Materials, 2016, 401, 1145-1149.	1.0	12
18	Phase Transitions and Magnetocaloric Properties in MnCo_{1â^'x}Zr_xGe Compounds. Advances in Condensed Matter Physics, 2017, 2017, 1-6.	0.4	12

#	Article	IF	Citations
19	The effects of hydrostatic pressure on the martensitic transition, magnetic, and magnetocaloric effects of Ni45Mn43CoSn11. MRS Communications, 2017, 7, 885-890.	0.8	9
20	Large reversible magnetic entropy change in rapidly solidified Ni0.895Cr0.105MnGe1.05 melt-spun ribbons. Intermetallics, 2018, 97, 89-94.	1.8	9
21	Influence of copper substitution on the magnetic and magnetocaloric properties of NiMnInB alloys. Journal of Applied Physics, 2015, 117, .	1.1	8
22	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
23	Magnetostructural transitions and magnetocaloric effects in Ni50Mn35In14.25B0.75 ribbons. AIP Advances, 2018, 8, 056434.	0.6	8
24	Direct and indirect measurements of the magnetic and magnetocaloric properties of Ni0.895Cr0.105MnGe1.05 melt-spun ribbons in high magnetic fields. Journal of Magnetism and Magnetic Materials, 2019, 488, 165359.	1.0	8
25	Kinetic effects in the magnetic and magnetocaloric properties of metamagnetic Ni50Mn35In14.25B0.75. Journal of Magnetism and Magnetic Materials, 2018, 459, 98-101.	1.0	7
26	Phase diagram and magnetocaloric effects in Ni1-xCrxMnGe1.05. Journal of Applied Physics, 2015, 117, .	1.1	6
27	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
28	Effect of Bi substitution on the magnetic and magnetocaloric properties of Ni50Mn35In15-xBix Heusler alloys. AIP Advances, 2018, 8, 056409.	0.6	6
29	Relaxation phenomena in adiabatic temperature changes near magnetostructural transitions in Heusler alloys. Journal of Alloys and Compounds, 2020, 821, 153402.	2.8	6
30	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
31	Peculiarities of Giant Magnetocaloric Effect in Ni50Mn35In15 Alloys in the Vicinity of Martensitic Transition. Physics Procedia, 2015, 75, 1353-1359.	1.2	4
32	Magnetic and magnetocaloric properties of Ni-Mn-Cr-Sn Heusler alloys under the effects of hydrostatic pressure. AIP Advances, 2018, 8, .	0.6	4
33	Magnetostructural phase transitions and large magnetic entropy changes in Ag-doped Mn1â^'xAgxCoGe intermetallic compounds. MRS Communications, 2019, 9, 315-320.	0.8	4
34	Controlling Protein Enrichment in Lipid Sponge Phase Droplets using SNAPâ€Tag Bioconjugation. ChemBioChem, 2022, 23, .	1.3	4
35	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
36	Microwave absorption through the martensitic and Curie transitions in Ni45Cr5Mn37In13. AIP Advances, 2018, 8, .	0.6	3

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37	Specific heat and the influence of hydrostatic pressure on the phase transitions in Ni50Mn35In14.25B0.75. Journal of Magnetism and Magnetic Materials, 2018, 463, 19-22.	1.0	3
38	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
39	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
40	Magnetic, Thermal And Magnetocaloric Properties Of Ni50Mn35In14.5B0.5 Ribbons. Advanced Materials Letters, 2017, 8, 768-772.	0.3	2
41	Magnetic and martensitic transformations in Ni48Co2Mn35In15 melt-spun ribbons. AIP Advances, 2018, 8, 101410.	0.6	1
42	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
43	Enhancement of ferromagnetism by substituting Cu for Mn in Ni-Mn-In-B Heusler alloys. Advanced Materials Letters, 2017, 8, 702-706.	0.3	0