Akhmed Aliev

List of Publications by Year
in descending order

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104	1,227	394421	454955
papers	citations	19 h-index	30 g-index

104	104	104	853
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetocaloric effect in La0.70Ag0.25MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1031" altimg="si94.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:math> magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2022, 549, 169002.	2.3	4
2	Anomalous heat transfer near the martensite-austenite phase transition in Ni50Mn28Ga22(Cu, Zn) (x =) Tj ETQq0 0 0 rgBT /Overlock 10	3.9	3
3	Magnetocaloric effect in manganites in alternating magnetic fields. Journal of Magnetism and Magnetic Materials, 2022, 553, 169300.	2.3	7
4	Enhanced Performance of Î”T_{ad} upon Frequent Alternating Magnetic Fields in FeRh Alloys by Introducing Second Phases. ACS Applied Materials & Interfaces, 2022, 14, 18293-18301.	8.0	11
5	Direct and Inverse Magnetocaloric Effect in a Ni50Mn35Al2Sn13 Heusler-Alloy Ribbon Sample. Physics of Metals and Metallography, 2022, 123, 392-396.	1.0	0
6	Thermophysical and Magnetocaloric Properties of the LaFe11.1Mn0.1Co0.7Si1.1 Alloy. Physics of Metals and Metallography, 2022, 123, 414-418.	1.0	3
7	Kerr Microscopy Study of Magnetic Phase Transition in Fe49Rh51. Physics of Metals and Metallography, 2022, 123, 402-406.	1.0	1
8	The Magnetocaloric Effect upon Adiabatic Demagnetization of a Polycrystalline DyNi2 Alloy. Physics of Metals and Metallography, 2022, 123, 397-401.	1.0	2
9	Giant magnetocaloric effect in MnAs1âˆ’xPx in a cyclic magnetic field: Lattice and magnetic contributions and degradation of the effect. Applied Physics Letters, 2021, 118, .	3.3	26
10	On the nature of the magnetocaloric effect in the Ni46Mn41In13 Heusler alloy in cyclic magnetic fields. Journal of Applied Physics, 2021, 129, .	2.5	7
11	Thermal Hysteresis Control in Fe49Rh51 Alloy through Annealing Process. Processes, 2021, 9, 772.	2.8	6
12	Dynamics of the magnetocaloric effect in cyclic magnetic fields in Ni50Mn35Al2Sn13 ribbon sample. Journal of Materials Science, 2021, 56, 15397.	3.7	8
13	Smart thermoresponsive composite activated by magnetocaloric effect. Materials Letters, 2021, 304, 130626.	2.6	1
14	COMPARATIVE ANALYSIS OF ESSENTIAL OIL COMPONENT IN DRACOCEPHALUM MOLDAVICA L. VARIETIES INTRODUCED IN MOUNTAIN CONDITIONS OF DAGESTAN. AIC Development Problems of the Region, 2021, , 156-161.	0.0	0
15	Critical behavior of polycrystalline Pr0.7Ca0.1Sr0.2MnO3 exhibiting the crossover of first and second order magnetic phase transitions. Journal of Materials Research and Technology, 2020, 9, 12747-12755.	5.8	10
16	Thermal, Magnetic, and Magnetotransport Properties of a Rapidly Quenched Ni50Mn35Al2Sn13 Tape Sample. Physics of the Solid State, 2020, 62, 1280-1284.	0.6	1
17	Phase transitions, thermal, electrical, and magnetocaloric properties of Ni50Mn37-xAlxSn13 (x=2, 4) ribbon samples. Journal of Alloys and Compounds, 2020, 842, 155783.	5.5	7
18	Specific Heat and Magnetocaloric Effect of LaFe11.2Ââ€“ÂxMnxCo0.7Si1.1 (x = 0, 0.1, 0.2, 0.3). Physics of the Solid State, 2020, 62, 841-844.	0.6	3

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19	Anisotropic magnetocaloric properties of the ludwigite single crystal Cu2MnBO5. Applied Physics Letters, 2020, 116, .	3.3	6
20	Degradation of the Magnetocaloric Effect in Ni49.3Mn40.4In10.3 in a Cyclic Magnetic Field. Physics of the Solid State, 2020, 62, 837-840.	0.6	10
21	Magnetocaloric Effect in Alloy Fe49Rh51 in Pulsed Magnetic Fields up to 50 T. Physics of the Solid State, 2020, 62, 160-163.	0.6	19
22	Specific heat, electrical resistivity, and magnetocaloric study of phase transition in Fe48Rh52 alloy. Journal of Applied Physics, 2020, 128, .	2.5	8
23	Direct measurements of the magnetocaloric effect of Fe49Rh51 using the mirage effect. Journal of Applied Physics, 2020, 127, .	2.5	9
24	Determination of the magnetocaloric effect from thermophysical parameters and their relationships near magnetic phase transition in doped manganites. Journal of Magnetism and Magnetic Materials, 2020, 513, 167209.	2.3	7
25	Multiferroic polymer composite based on Heusler-type magnetic microwires with combined magnetocaloric and magnetoelectric effects. Journal of Magnetism and Magnetic Materials, 2020, 510, 166884.	2.3	7
26	Component composition of essential oils and antioxidant activity of Hyssopus officinalis L. cultivars introduced in the mountainous conditions of Dagestan. Problems of Biological Medical and Pharmaceutical Chemistry, 2020, 23, 24-30.	0.2	2
27	New R3Â¯c-type half-metal MnBO3 with remarkable multiple Dirac-like band crossings: Effects of uniform strain, vacancies, spinâ€“orbit coupling, and hole and electron doping on its electronic structures. Journal of Alloys and Compounds, 2019, 804, 554-565.	5.5	5
28	Magnetocaloric properties in the Pr0.7Sr0.3-xCaxMnO3: Direct and indirect estimations from thermal diffusivity data. Journal of Alloys and Compounds, 2019, 782, 729-734.	5.5	12
29	Magnetocaloric effect in La0.7â^'xPrxSr0.3MnO3 manganites: Direct and indirect measurements. Journal of Magnetism and Magnetic Materials, 2019, 474, 477-481.	2.3	21
30	Magneto-electric coupling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>48</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">Rh</mml:mi></mml:mrow><mml:mrow><mml:mn>52</mml:mn></mml:mrow></mml:msub></mml:mrow></mml multiferroic composite. Journal of Magnetism and Magnetic Materials, 2019, 470, 77-80.	2.3	11
31	Magnetic and lattice contributions to the magnetocaloric effect in Sm1-xSrxMnO3 manganites. Applied Physics Letters, 2018, 112, .	3.3	19
32	Critical Behavior of the Specific Heat of Pr0.6Sr0.4Mn1â^'x Fe x O3 Manganites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 197-201.	1.8	0
33	Correlation of the magnetocaloric effect and magnetostriction near the first-order phase transition in Pr0.7Sr0.2Ca0.1MnO3 manganite. Journal of Applied Physics, 2018, 124, .	2.5	15
34	Inverse-direct magnetocaloric effect crossover in Ni47Mn40Sn12.5Cu0.5 Heusler alloy in cyclic magnetic fields. Applied Physics Letters, 2018, 113, 172406.	3.3	26
35	Magnetocaloric Effect and Magnetostriction in a Ni49.3Mn40.4In10.3 Heusler Alloy in AC Magnetic Fields. Physics of the Solid State, 2018, 60, 1111-1114.	0.6	4
36	Mechanisms of heat carriers scattering in La1â^'xSrxMnO3 single crystals near the phase transition temperature. Journal of Alloys and Compounds, 2017, 705, 740-744.	5.5	5

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37	Revision of Clausiusâ€“Clapeyron Relation for the First-Order Phase Transition in Niâ€“Mnâ€“In Heusler Alloys. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
38	Magnetocaloric effect in La1â^'xKxMnO3 (xÂ=Â0.11, 0.13, 0.15) composite structures in magnetic fields up to 80ÂkOe. Journal of Alloys and Compounds, 2017, 710, 292-296.	5.5	18
39	Magnetic phase transitions and magnetocaloric effect in layered intermetallic La0.75Sm0.25Mn2Si2 compound. Journal of Magnetism and Magnetic Materials, 2017, 440, 89-92.	2.3	7
40	Heat capacity and the magnetocaloric effect in Pr0.6Sr0.4Mn1â€“x Fe x O3 manganite. Physics of the Solid State, 2017, 59, 2092-2096.	0.6	5
41	Specific heat, thermal diffusion, thermal conductivity and magnetocaloric effect in Pr0.6Sr0.4Mn1â^'xFexO3 manganites. Journal of Magnetism and Magnetic Materials, 2017, 443, 352-357.	2.3	17
42	Anomalies in the thermophysical properties of polymer composites based on carbon multiwalled nanotubes. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 623-625.	0.6	2
43	Heat Capacity of the Polymer Composite Based on Carbon Nanotubes. Russian Physics Journal, 2017, 60, 227-230.	0.4	1
44	Electric-field control of magnetocaloric effect in FeRh-based composite. , 2017, , .		0
45	Thermal physical properties of the La0.825Sr0.175MnO3 single crystals. Physics of the Solid State, 2017, 59, 1879-1882.	0.6	2
46	Thermophysical properties of polymer composite based on multiwalled carbon nanotubes, obtained by electrospinning. High Temperature, 2017, 55, 502-505.	1.0	7
47	Reversible magnetocaloric effect in materials with first order phase transitions in cyclic magnetic fields: Fe48Rh52 and Sm0.6Sr0.4MnO3. Applied Physics Letters, 2016, 109, .	3.3	46
48	Magnetocaloric effect in some magnetic materials in alternating magnetic fields up to 22ÂHz. Journal of Alloys and Compounds, 2016, 676, 601-605.	5.5	50
49	Magnetocaloric effect in sandwich structures of La1â€“x K x MnO3 manganites. Physics of the Solid State, 2016, 58, 1346-1349.	0.6	2
50	Magnetic, thermal, and electrical properties of an Ni45.37Mn40.91In13.72 Heusler alloy. Journal of Experimental and Theoretical Physics, 2016, 122, 874-882.	0.9	18
51	Magnetic and magnetocaloric properties of LuFe2â€“x Mn x O4 + Î´ multiferroics. Physics of the Solid State, 2016, 58, 1143-1147.	0.6	3
52	Effect of the ionic radius of A-cations on the magnetic and magnetocaloric properties of charge-ordered manganite La0.5Ca0.5â€“x Sr x MnO3 (0 < x < 0.5). Physics of the Solid State, 2015, 57, 2423-2426.	0.6	1
53	Magnetocaloric effect, magnetostructural and magnetic phase transformations in Ni50.3Mn36.5Sn13.2 Heusler alloy ribbons. Journal of Alloys and Compounds, 2015, 629, 332-342.	5.5	21
54	Specific heat and magnetocaloric effect of Pr1â^'x Ag x MnO3 manganites. Journal of Materials Science, 2014, 49, 294-299.	3.7	17

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55	Magnetocaloric properties of La0.7Ca0.3MnO3 manganites with 16O â†' 18O isotopic substitution. Physics of the Solid State, 2013, 55, 1170-1174.	0.6	3
56	Magnetic and thermophysical properties of Gd_XMn_{1â^'X}S solid solutions. Journal of Physics Condensed Matter, 2013, 25, 025802.	1.8	9
57	Influence of the granule size on the magnetocaloric properties of manganite La0.5Ca0.5MnO3. Physics of the Solid State, 2013, 55, 502-507.	0.6	5
58	Influence of the isotopic substitution 16O â†' 18O on the magnetic, electrical, and thermal properties of manganite La0.8Ag0.1MnO3. Physics of the Solid State, 2013, 55, 476-480.	0.6	4
59	Magnetic Properties and MCE in Heusler-Type Glass-Coated Microwires. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1415-1419.	1.8	31
60	Phase separation and direct magnetocaloric effect in La0.5Ca0.5MnO3 manganite. Journal of Applied Physics, 2013, 113, .	2.5	33
61	Magnetic properties and magnetocaloric effect in Heusler-type glass-coated NiMnGa microwires. Journal of Alloys and Compounds, 2013, 575, 73-79.	5.5	76
62	Multiple magneto-functional properties of Ni46Mn41In13 shape memory alloy. Journal of Alloys and Compounds, 2013, 578, 157-161.	5.5	22
63	Thermal and electric conductivity of textured Ni-Cr-W alloy ribbon substrates for high-temperature superconductors. Technical Physics Letters, 2012, 38, 665-667.	0.7	0
64	Magnetocaloric properties of La0.7Ca0.3Mn16O3 and La0.7Ca0.3Mn18O3 manganites and their â€œsandwichâ€• Applied Physics Letters, 2012, 101, .	3.3	32
65	New magnetic materials Cu x Mn1 â^' x S with a metal-insulator transition. Physics of the Solid State, 2012, 54, 531-536.	0.6	2
66	Direct and inverse magnetocaloric effects in A-site ordered PrBaMn2O6 manganite. Journal of Alloys and Compounds, 2011, 509, L165-L167.	5.5	8
67	Critical behavior of La0.87K0.13MnO3 manganite. Journal of Alloys and Compounds, 2011, 509, 8295-8298.	5.5	10
68	Low field magnetocaloric effect and heat capacity of A-site ordered NdBaMn2O6 manganite. Solid State Communications, 2011, 151, 1820-1823.	1.9	3
69	Specific heat and low-field magnetocaloric effect in A-site ordered PrBaMn2O6 manganite. Philosophical Magazine Letters, 2011, 91, 354-360.	1.2	5
70	Magnetocaloric properties of La1 â^' x KxMnO3 manganites. Journal of Experimental and Theoretical Physics, 2011, 112, 460-468.	0.9	19
71	Critical behavior of the heat capacity of the manganite La0.87K0.13MnO3. Physics of the Solid State, 2011, 53, 2271-2274.	0.6	4
72	Structure and magnetocaloric properties of La1â^'xKxMnO3 manganites. Physica B: Condensed Matter, 2011, 406, 885-889.	2.7	42

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73	Critical behavior of the heat capacity of Ag-doped manganites. Physics of the Solid State, 2010, 52, 335-338.	0.6	5
74	Magnetocaloric properties of manganites in alternating magnetic fields. JETP Letters, 2010, 90, 663-666.	1.4	37
75	Magnetocaloric effect in Pr1 â^' x Ag x MnO3 manganites. JETP Letters, 2010, 91, 341-343.	1.4	9
76	Magnetocaloric effect in ribbon samples of Heusler alloys Niâ€“Mnâ€“M (M=In,Sn). Applied Physics Letters, 2010, 97, .	3.3	68
77	Thermophysical properties of the manganites (Nd,Sm,Eu)0.55Sr0.45MnO3. Low Temperature Physics, 2010, 36, 171-175.	0.6	19
78	Critical behavior of the specific heat of manganites La1â^'xAgxMnO3 (x=0.1,0.15,0.2) near the Curie point. Low Temperature Physics, 2009, 35, 214-218.	0.6	20
79	Electrical and thermal properties of the manganite La0.8Ag0.15MnO3. Low Temperature Physics, 2007, 33, 829-832.	0.6	15
80	Magnetocaloric effect in La_{1â^'x}Ag_yMnO₃(yâ©½x): direct and indirect measurements. Journal Physics D: Applied Physics, 2007, 40, 4413-4417.	2.8	79
81	Critical behaviour of the specific heat of La0.9Ag0.1MnO3 manganite. Physica B: Condensed Matter, 2007, 390, 155-158.	2.7	9
82	Thermal and transport properties of manganites (, 0.45). Physica B: Condensed Matter, 2007, 395, 151-154.	2.7	5
83	Dependence of the heat capacity of La1â^'x Ag x MnO3 manganites on the Ag content. JETP Letters, 2007, 86, 340-343.	1.4	14
84	Kinetic effects in manganites La1 â^' x Ag y MnO3 (y â‰ x). Journal of Experimental and Theoretical Physics, 2007, 105, 774-781.	0.9	29
85	Heat capacity of the La0.9Ag0.1MnO3 manganite near the curie temperature. Physics of the Solid State, 2007, 49, 1769-1772.	0.6	6
86	Thermal capacity, diffusion, and conductivity of Nd1â^'x SrxMno3 (x = 0.45 and 0.5) manganites. Russian Physics Journal, 2007, 50, 383-386.	0.4	0
87	Magnetocaloric effect in Ni _{2.19} Mn _{0.81} Ga Heusler alloys. International Journal of Applied Electromagnetics and Mechanics, 2006, 23, 65-69.	0.6	19
88	Specific heat of Sm0.55Sr0.45MnO3 manganite in magnetic fields up to 15 T: An anomalous critical behavior of the ferromagnet in magnetic field and the observation of a tricritical point. JETP Letters, 2006, 84, 31-34.	1.4	10
89	Magnetocaloric effect in silver-doped lanthanum manganites. Technical Physics Letters, 2006, 32, 471-473.	0.7	14
90	Critical Behavior of the Heat Capacity in the Region of the Incommensurate Phase Transition of C(NH2)2 Crystals. International Journal of Thermophysics, 2005, 26, 471-477.	2.1	2

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91	Competition fluctuations and hysteresis in manganites in magnetic fields near Tc. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1738-1739.	2.3	2
92	Thermal conductivity of Sm1âˆ'xSmxMnO3 manganites in magnetic fields up to. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1742-1744.	2.3	0
93	Effect of a magnetic field on the thermal and kinetic properties of the Sm0.55Sr0.45MnO3.02 manganite. Physics of the Solid State, 2003, 45, 130-137.	0.6	11
94	Heat capacity and electric resistance of Sm0.55Sr0.45MnO3 manganite near T c in a magnetic field of up to 26 kOe: Fluctuation effects and colossal magnetoresistance development scenario. Journal of Experimental and Theoretical Physics, 2003, 96, 757-765.	0.9	6
95	Critical behavior of heat capacity of the SC(NH2)2 ferroelectric in the region of incommensurate phase transition. JETP Letters, 2002, 75, 415-417.	1.4	0
96	Heat capacity of a Cr2O3 antiferromagnet near the critical temperature. Physics of the Solid State, 2001, 43, 1103-1107.	0.6	8
97	Magnetothermo-emf and Wiedemann-Franz law for tungsten single crystals under the conditions of static skin effect. Physics of the Solid State, 2000, 42, 1381-1386.	0.6	1
98	Heat capacity and resistivity of Sm0.55Sr0.45MnO3 in magnetic fields of up to 26 kOe. JETP Letters, 2000, 72, 464-467.	1.4	12
99	HEAT CAPACITY AND KINETIC PROPERTIES OF La_{1âˆ'x}Sr_xMnO₃ MANGANITE. , 2000, , .		0
100	Heat capacity of a Cs2HgCl4 crystal near phase transitions. Physics of the Solid State, 1997, 39, 153-154.	0.6	3
101	The Non-Equilibrium Electron Distribution Function in the Electrical Resistance Problem for Potassium Metal Influence of N- and U-Processes. Physica Status Solidi (B): Basic Research, 1985, 129, 823-833.	1.5	0
102	Phonon density of states and heat capacity of CdIn₂S₄. Physica Status Solidi (B): Basic Research, 1983, 115, K75.	1.5	3
103	Magnetocaloric and other Properties of Cold Rolled Gd Ribbons. Materials Science Forum, 0, 738-739, 441-445.	0.3	1
104	Thermal and Magnetocaloric Properties of La0.7Sr0.3Ââ€“ÂxBaxMnO3 Manganites. Physics of the Solid State, 0, , .	0.6	0