

Asaya Fujita

List of Publications by Year in descending order

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198
papers

9,542
citations

81900

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docs citations

201
times ranked

4282
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#	ARTICLE	IF	CITATIONS
1	Magnetic-field-induced shape recovery by reverse phase transformation. <i>Nature</i> , 2006, 439, 957-960.	27.8	1,631
2	Itinerant-electron metamagnetic transition and large magnetocaloric effects in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ compounds and their hydrides. <i>Physical Review B</i> , 2003, 67, .	3.2	997
3	Large magnetocaloric effect in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ itinerant-electron metamagnetic compounds. <i>Applied Physics Letters</i> , 2002, 81, 1276-1278.	3.3	449
4	Metamagnetic shape memory effect in a Heusler-type $\text{Ni}_{43}\text{Co}_7\text{Mn}_{39}\text{Sn}_{11}$ polycrystalline alloy. <i>Applied Physics Letters</i> , 2006, 88, 1925-13.	3.3	378
5	Itinerant electron metamagnetic transition in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ intermetallic compounds. <i>Journal of Applied Physics</i> , 1999, 85, 4756-4758.	2.5	336
6	Promising ferromagnetic Ni-Co-Al shape memory alloy system. <i>Applied Physics Letters</i> , 2001, 79, 3290-3292.	3.3	335
7	Magnetic and martensitic phase transitions in ferromagnetic Ni-Ga-Fe shape memory alloys. <i>Applied Physics Letters</i> , 2002, 81, 5201-5203.	3.3	315
8	Itinerant-electron metamagnetic transition and large magnetovolume effects in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ compounds. <i>Physical Review B</i> , 2001, 65, .	3.2	268
9	Giant barocaloric effect enhanced by the frustration of the antiferromagnetic phase in Mn_3GaN . <i>Nature Materials</i> , 2015, 14, 73-78.	27.5	226
10	Magnetic properties and large magnetic-field-induced strains in off-stoichiometric Ni-Mn-Al Heusler alloys. <i>Applied Physics Letters</i> , 2000, 77, 3054-3056.	3.3	220
11	Kinetic arrest of martensitic transformation in the NiCoMnIn metamagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	209
12	Design and performance of a permanent-magnet rotary refrigerator. <i>International Journal of Refrigeration</i> , 2006, 29, 1302-1306.	3.4	193
13	Heat dissipation mechanism of magnetite nanoparticles in magnetic fluid hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1493-1496.	2.3	165
14	Giant isotropic magnetostriction of itinerant-electron metamagnetic $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}\text{Hy}$ compounds. <i>Applied Physics Letters</i> , 2001, 79, 653-655.	3.3	147
15	Thermal transport properties of magnetic refrigerants $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ and their hydrides, and $\text{Gd}_5\text{Si}_2\text{Ge}_2$ and MnAs . <i>Journal of Applied Physics</i> , 2004, 95, 2429-2431.	2.5	120
16	Phase separation and magnetic properties of half-metal-type $\text{Co}_2\text{Cr}_{1-x}\text{Fe}_x\text{Al}$ alloys. <i>Applied Physics Letters</i> , 2004, 85, 4684-4686.	3.3	117
17	Magnetic properties and band structures of half-metal-type Co_2CrGa Heusler alloy. <i>Applied Physics Letters</i> , 2004, 85, 2011-2013.	3.3	97
18	Magnetocrystalline anisotropy in single-crystal Co-Ni-Al ferromagnetic shape-memory alloy. <i>Applied Physics Letters</i> , 2002, 81, 1657-1659.	3.3	94

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19	Half-metallic properties of $\text{Co}_2(\text{Cr}_{1-x}\text{Fe}_x)\text{Ga}$ Heusler alloys. <i>Physical Review B</i> , 2005, 72, .	3.2	92
20	Anomaly in entropy change between parent and martensite phases in the $\text{Ni}_{50}\text{Mn}_{34}\text{In}_{16}$ Heusler alloy. <i>Scripta Materialia</i> , 2009, 60, 25-28.	5.2	90
21	Lattice axial ratio and large uniaxial magnetocrystalline anisotropy in L10-type FePd single crystals prepared under compressive stress. <i>Physical Review B</i> , 2004, 70, .	3.2	84
22	Mössbauer study on martensite phase in $\text{Ni}_{50}\text{Mn}_{36.5}\text{Fe}_{0.557}\text{Sn}_{13}$ metamagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	83
23	Large magnetovolume effects and band structure of itinerant-electron metamagnetic $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ compounds. <i>Physical Review B</i> , 2003, 68, .	3.2	82
24	Large magnetocaloric effects and thermal transport properties of $\text{La}(\text{FeSi})_{13}$ and their hydrides. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 307-312.	5.5	80
25	Large magnetocaloric effects in NaZn13-type $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ compounds and their hydrides composed of icosahedral clusters. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 339-346.	6.1	79
26	Large magnetocaloric effects enhanced by partial substitution of Ce for La in $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$ compound. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 1165-1168.	5.5	76
27	Magnetic properties and stability of L21 and B2 phases in the Co_2MnAl Heusler alloy. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	74
28	Giant volume magnetostriction due to the itinerant electron metamagnetic transition in $\text{La}(\text{Fe-Si})_{13}$ compounds. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3796-3798.	2.1	71
29	Synthesis of magnetite nanoparticles for AC magnetic heating. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3019-3023.	2.3	68
30	Magnetic-field-induced strain of $\text{Fe}_{1-x}\text{Ni}_x\text{Ga}$ in single-variant state. <i>Applied Physics Letters</i> , 2003, 83, 4993-4995.	3.3	66
31	Control of large magnetocaloric effects in metamagnetic compounds by hydrogenation. <i>Journal of Alloys and Compounds</i> , 2005, 404-406, 554-558.	5.5	64
32	Stress-assisted magnetic-field-induced strain in $\text{Ni}_{1-x}\text{Fe}_x\text{Ga}_{1-y}\text{Co}_y$ ferromagnetic shape memory alloys. <i>Applied Physics Letters</i> , 2007, 90, 062505.	3.3	64
33	Atomic ordering and magnetic properties in $\text{Ni}_2\text{Mn}(\text{GaAl}_{1-x})$ Heusler alloys. <i>Acta Materialia</i> , 2008, 56, 4789-4797.	7.9	61
34	Giant Magnetic Entropy Change in Hydrogenated $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}\text{H}_y$ Compounds. <i>Materials Transactions</i> , 2002, 43, 1202-1204.	1.2	54
35	Enhancement of magnetic-field-induced strain in $\text{Ni}_{1-x}\text{Fe}_x\text{Ga}_{1-y}\text{Co}_y$ Heusler alloy. <i>Scripta Materialia</i> , 2005, 53, 1237-1240.	5.2	54
36	Temperature dependence of magnetocrystalline anisotropy constants in the single variant state of L10-type FePt bulk single crystal. <i>Applied Physics Letters</i> , 2006, 88, 102503.	3.3	54

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37	<p>Optoelectronic properties, phase stability, electronic structure, and half-metallicity of $L_{2-1}L_1$</p>		

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55	Relative cooling power of $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ after controlling the Curie temperature by hydrogenation and partial substitution of Ce. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e1006-e1007.	2.3	31
56	Influence of hydrogenation on the electronic structure and the itinerant-electron metamagnetic transition in strong magnetocaloric compound $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3553-3558.	2.3	31
57	Electronic structure and magnetism of amorphous $\text{Co}_{1-x}\text{B}_x$ alloys. <i>Physical Review B</i> , 1993, 47, 2671-2677.	3.2	30
58	Strong magnetocaloric effects in $\text{La}_{1-z}\text{Ce}_z(\text{Fe}_x\text{Mn}_y\text{Si}_{1-x})_{13}$ at low temperatures. <i>Applied Physics Letters</i> , 2006, 89, 062504.	3.3	30
59	Control of large magnetocaloric effects and hysteresis of $\text{La}_{1-z}/\text{Ce}_z(\text{Fe}_{0.86}/\text{Si}_{0.14})_{13}$. <i>Journal of Applied Physics</i> , 2006, 99, 08K910.	2.1	29
60	Spin Wave-Stiffness Constants of Half-Metallic Ferromagnets $\text{Co}_{1-y}\text{Cr}_y$ ($y = \text{Cr}, \text{Mn}$). <i>Journal of Applied Physics</i> , 2006, 99, 08K910.	2.1	29
61	Neutron Diffraction and Isotropic Volume Expansion Caused by Deuterium Absorption into $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 074722.	1.6	28
62	Large magnetic-field-induced strain in $\text{Co}_{95}\text{Ni}_5\text{Al}$ single-variant ferromagnetic shape memory alloy. <i>Scripta Materialia</i> , 2010, 63, 379-382.	5.2	28
63	Pressure-induced anomalies in itinerant-electron metamagnetic properties around the critical end point in $\text{La}(\text{Fe}_{0.89}\text{Si}_{0.11})_{13}$. <i>Physical Review B</i> , 2006, 73, .	3.2	27
64	Magnetic properties and phase stability of half-metal-type $\text{Co}_2\text{Cr}_{1-x}\text{Fe}_x\text{Ga}$ alloys. <i>Journal of Alloys and Compounds</i> , 2005, 399, 60-63.	5.5	26
65	Control of Working Temperature of Large Isothermal Magnetic Entropy Change in $\text{La}(\text{Fe}_{1-x}\text{TM}_x\text{Si}_{1-y}\text{Mn}_y)_{13}$ (TM=Cr, Mn, Ni) and $\text{La}_{1-z}\text{Ce}_z(\text{Fe}_x\text{Mn}_y\text{Si}_{1-x})_{13}$. <i>Journal of Applied Physics</i> , 2006, 99, 08K910.	1.2	25
66	Influence of partial substitution of Ce on the Curie temperature and magnetic entropy change in itinerant-electron metamagnetic $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ compounds. <i>Journal of Applied Physics</i> , 2006, 99, 08K910.	2.5	25
67	Differential magnetic susceptibility of amorphous Fe-Y alloys. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3003-3010.	1.8	23
68	Magnetic interaction of submicron-sized ferromagnetic rings in one-dimensional array. <i>Applied Physics Letters</i> , 2006, 89, 122508.	3.3	23
69	Electrocaloric effect of metal-insulator transition in VO_2 . <i>Applied Physics Letters</i> , 2015, 106, .	3.3	23
70	Large magnetocaloric effects and Landau coefficients of itinerant electron metamagnetic $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$. <i>Journal of Applied Physics</i> , 2006, 99, 08K910.	2.1	22
71	New function of hydrogen in materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 173, 253-259.	3.5	22
72	Magnetic anisotropy and magnetostriction in L10 FePd alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2173-2174.	2.3	21

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73	Influence of Demagnetization Effect on the Kinetics of the Itinerant Electron Metamagnetic Transition in Magnetic Refrigerant $\text{La}_{0.88}\text{Fe}_{0.12}\text{Si}_{13}$. IEEE Transactions on Magnetism, 2011, 47, 2482-2485.	2.1	21
74	Colossal Barocaloric Effect by Large Latent Heat Produced by First-Order Intersite-Charge-Transfer Transition. Advanced Functional Materials, 2021, 31, 2009476.	14.9	21
75	Magnetocrystalline anisotropy energy in L10-type CoPt single crystals. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 566-569.	2.3	20
76	Low-temperature specific heat of Ni-Mn-Ga ferromagnetic shape memory alloys. Journal of Magnetism and Magnetic Materials, 2008, 320, e156-e159.	2.3	20
77	Martensitic Transformation in NiCoMnSn Metamagnetic Shape Memory Alloy Powders. Materials Transactions, 2008, 49, 1915-1918.	1.2	19
78	Shape-anisotropic heterogeneous nucleation and magnetic Gibbs-Thomson effect in itinerant-electron metamagnetic transition of $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$ magnetocaloric compound. Applied Physics Letters, 2013, 102, .	3.3	19
79	Magnetic anisotropy in Ni-Fe-Ga-Co ferromagnetic shape memory alloys in the single-variant state. Journal of Physics Condensed Matter, 2009, 21, 076001.	1.8	18
80	Effects of the antiferromagnetic anti-phase domain boundary on the magnetization processes in $\text{Ni}_2\text{Mn}(\text{Ga}_{0.5}\text{Al}_{0.5})$ Heusler alloy. Scripta Materialia, 2011, 65, 41-44.	5.2	18
81	Electronic structure, metamagnetism and thermopower of LaSiFe_{12} and interstitially doped LaSiFe_{12} . Journal Physics D: Applied Physics, 2018, 51, 034003.	2.8	18
82	Thermal-expansion and inverse-magnetic-susceptibility anomalies in amorphous Y-Fe alloys. Physical Review B, 1994, 50, 6199-6202.	3.2	17
83	Magnetocrystalline Anisotropy in a Single-Variant Co-Ni-Al Ferromagnetic Shape Memory Alloy. Materials Transactions, 2003, 44, 2180-2183.	1.2	16
84	Enhancement of isothermal entropy change due to spin fluctuations in itinerant-electron metamagnetic $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$ compound. Journal of Alloys and Compounds, 2006, 408-412, 62-65.	5.5	16
85	Magnetocaloric and structural properties of SmMn_2Ge_2 . Journal of Alloys and Compounds, 2006, 408-412, 118-121.	5.5	16
86	Influence of electronic and metallographic structures on hydrogen redistribution in $\text{La}(\text{Fe,Si})_{13}$ -based magnetocaloric compounds. Acta Materialia, 2019, 169, 162-171.	7.9	16
87	Effect of Spin Fluctuation on Magnetic Properties and Thermal Expansion of Y-Ni Amorphous Alloys. Journal of the Physical Society of Japan, 1993, 62, 2579-2582.	1.6	15
88	Spin fluctuation, thermal expansion anomaly, and pressure effects on the Néel temperature of f^2 -MnM (M=Ru, Os, and Ir) alloys. Physical Review B, 2005, 72, .	3.2	15
89	Large magnetocrystalline anisotropy energy of L10-type $\text{Co}_{100-x}\text{Pt}_x$ bulk single crystals prepared under compressive stress. Applied Physics Letters, 2005, 86, 112515.	3.3	15
90	Microstructure and magnetic properties of as-quenched cubic and tetragonal $\text{La}(\text{Fe}_{1-x}\text{Si}_x)_{13}$ compounds. Journal of Alloys and Compounds, 2013, 578, 220-227.	5.5	15

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91	Kinetics of thermally induced first-order magnetic transition in $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}$ itinerant electron metamagnet. <i>Journal of Alloys and Compounds</i> , 2013, 577, S48-S51.	5.5	15
92	Changes in electronic states and magnetic free energy in $\text{La}_{1-z}\text{Ce}_z(\text{Fe}_x\text{Si}_{1-x})_{13}$ magnetic refrigerants. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 064013.	2.8	14
93	Spin fluctuations in amorphous $\text{La}(\text{Ni}_x\text{Al}_{1-x})_{13}$ alloys consisting of icosahedral clusters. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 401-412.	1.8	13
94	Control of Magnetocaloric Effects by Partial Substitution in Itinerant-Electron Metamagnetic $\text{La}_{1-x}(\text{Fe}_x\text{Si}_{1-x})_{13}$ for Application to Magnetic Refrigeration. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2620-2625.	2.1	13
95	Stress-assisted large magnetic-field-induced strain in single-variant CoNiGa ferromagnetic shape memory alloy. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 256002.	1.8	13
96	Magnetic phase diagram of $\text{La}(\text{Fe}_x\text{Al}_{1-x})_{13}$ in the vicinity of the ferromagnetic-antiferromagnetic phase boundary. <i>Journal of Alloys and Compounds</i> , 2000, 305, 17-20.	5.5	12
97	Improvement of low-field magnetic entropy change by increasing Fe concentration in solid-state reactive sintered $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$. <i>Journal of Alloys and Compounds</i> , 2014, 601, 158-161.	5.5	12
98	Origin of Perpendicular Magnetic Anisotropy in Tb-Fe Amorphous Alloy. <i>Materials Transactions</i> , 2003, 44, 2605-2610.	1.2	11
99	Characterization of Different Solid Particles Transformed from Green Rust in Aqueous Solution Using XRD, Mössbauer Spectroscopy, and XANES. <i>ISIJ International</i> , 2007, 47, 1452-1457.	1.4	11
100	Phase stability and magnetic properties of $\text{Co}_2(\text{Ti}_{1-x}\text{Fe}_x)\text{Ga}$ Heusler alloys. <i>Scripta Materialia</i> , 2008, 59, 830-833.	5.2	11
101	Strong Pressure Effect on the Curie Temperature of Itinerant-Electron Metamagnetic $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}\text{H}_y$ and $\text{La}_{0.7}\text{Ce}_{0.3}(\text{Fe}_{0.88}\text{Si}_{0.12})_{13}\text{H}_y$. <i>Materials Transactions</i> , 2009, 50, 483-486.	1.2	11
102	Improvement of magnetocaloric effect in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$ by dealing with inhibitory microstructures at high Fe concentration. <i>Acta Materialia</i> , 2022, 227, 117726.	7.9	11
103	Influence of nitrogen on the magnetovolume effects in $\text{La}(\text{Fe}_x\text{Al}_{1-x})_{13}$ compounds. <i>Journal of Applied Physics</i> , 2002, 91, 8882.	2.5	10
104	Reduction of hysteresis loss and large magnetocaloric effects in substituted compounds of itinerant-electron metamagnets $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3567-3570.	2.3	10
105	Electronic specific heat coefficient and magnetic properties of $\text{La}_2\text{Y}_1\text{Ga}$ ($\text{Y} = \text{Cr}, \text{Mn}$ and Fe) Heusler alloys. <i>Journal of Physics: Conference Series</i> , 2010, 200, 062036.	0.4	10
106	Influence of Homogenization of Microstructural Composition on Hydrogen Absorption into $\text{La}_{1-x}(\text{Fe}_x\text{Si}_{1-x})_{13}$ Magnetic Refrigerants. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2459-2462.	2.1	10
107	A large magnetic-field-induced strain in NiFeMnGaCo ferromagnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2013, 577, S372-S375.	5.5	10
108	Contribution of paramagnetic entropy to magnetocaloric effect in $\text{La}(\text{Fe}_x\text{Si}_{1-x})_{13}$. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	10

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109	Influence of strain on latent heat of VO ₂ ceramics. Journal of Alloys and Compounds, 2018, 751, 241-246.	5.5	10
110	Giant Magneto-Volume and Magneto-Caloric Effects of Frustrated Antiferromagnet Mn ₃ GaN under Hydrostatic Pressure. Journal of the Physical Society of Japan, 2021, 90, 044601.	1.6	10
111	The effect of annealing on the magnetic phase diagram for the Y-Fe amorphous alloy system. Journal of Physics Condensed Matter, 1994, 6, 5741-5750.	1.8	8
112	Effect of pressure on magnetic properties of La(FexAl ^{1-x}) ₁₃ ferromagnetic compounds. Journal of Alloys and Compounds, 2001, 329, 42-46.	5.5	8
113	Influence of spin fluctuations on thermodynamics of itinerant-electron metamagnetic transition in La(Fe _{0.88} Si _{0.12}) ₁₃ compound. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E629-E630.	2.3	8
114	High Remanent Magnetization of L1 ₀ -Ordered FePt Thin Film on MgO/(001) GaAs. Japanese Journal of Applied Physics, 2008, 47, 3269-3271.	1.5	8
115	Realization of small intrinsic hysteresis with large magnetic entropy change in La _{0.8} Pr _{0.2} (Fe _{0.88} Si _{0.10} Al _{0.02}) ₁₃ by controlling itinerant-electron characteristics. Applied Physics Letters, 2014, 104, .	3.3	8
116	Thermal Expansion and Spin Fluctuations in Amorphous Y–TM (TM=Ni, Co, Fe and Mn) Alloys. Materials Transactions, JIM, 1995, 36, 852-857.	0.9	7
117	Magnetic phase transition in the antiferromagnetic compound La(Fe _{0.89} Al _{0.11}) ₁₃ . Journal of Alloys and Compounds, 2001, 327, 17-20.	5.5	7
118	Disappearance of perpendicular magnetic anisotropy in amorphous Tb"Fe alloys. Journal of Magnetism and Magnetic Materials, 2002, 239, 412-414.	2.3	7
119	<I>In Situ</I> TEM Observation of Thermally-Induced First-Order Magnetic Transition in Itinerant-Electron Metamagnetic La(Fe_xSi_{1-x})₁₃ Compounds. Materials Transactions, 2005, 46, 1764-1767.	1.2	7
120	New useful function of hydrogen in materials. Journal of Alloys and Compounds, 2013, 580, S401-S405.	5.5	7
121	Giant forced-volume and saturation magnetostrictions of amorphous La(FexAl _{1-x}) ₁₃ alloys composed of icosahedral clusters. Journal of Physics Condensed Matter, 1995, 7, 2875-2887.	1.8	6
122	Changes in the spin-glass state and the atomic structure on annealing the amorphous Y - Fe alloys. Journal of Physics Condensed Matter, 1996, 8, 2219-2231.	1.8	6
123	Spin-glass behaviour, thermal expansion anomaly and spin fluctuations in Y ₂₀ (Mn _{1-x} Fe _x) ₈₀ amorphous alloys. Journal of Physics Condensed Matter, 1999, 11, 4053-4062.	1.8	6
124	Itinerant-electron metamagnetism and susceptibility maximum behavior in several kinds of Laves-phase compounds. Journal of Alloys and Compounds, 2005, 394, 43-50.	5.5	6
125	Magnetic anisotropy of La_{0.75}Sm_{0.25}Mn₂Si₂ compound. Journal of Physics Condensed Matter, 2007, 19, 486202.	1.8	6
126	Relation between paramagnetic entropy and disordered local moment in La(Fe _{0.88} Si _{0.12}) ₁₃ magnetocaloric compound. APL Materials, 2016, 4, .	5.1	6

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127	Giant multiple caloric effects in charge transition ferrimagnet. <i>Scientific Reports</i> , 2021, 11, 12682.	3.3	6
128	Low temperature specific heat studies of amorphous and crystalline Er–Ru alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1994, 23, 66-70.	3.5	5
129	Concentration Dependence of Pressure Effect in La(Fe _x Si _{1-x}) ₁₃ Compounds. <i>Materials Transactions</i> , 2006, 47, 478-481.	1.2	5
130	Electronic Structure of La(Fe _{0.88} Si _{0.12}) ₁₃ . <i>Materials Research Society Symposia Proceedings</i> , 2010, 1262, 1.	0.1	5
131	Influence of Supercooling on the Thermally Induced First-Order Magnetic Transition in Magnetocaloric Compound La(Fe _{0.88} Si _{0.12}) ₁₃ . <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3387-3390.	2.1	5
132	Magnetic properties of Mn-rich Rh ₂ Mn _{1+Sn} Heusler alloys. <i>Physica B: Condensed Matter</i> , 2012, 407, 311-315.	2.7	5
133	Microstructure and magnetocaloric property of homogeneous La(Fe _x Si _{1-x}) ₁₃ compounds fabricated by laser fusion using a powder mixture of Fe and La ₂ Si ₂ compounds. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163706.	5.5	5
134	Novel approach in fabricating microchannel-structured La(Fe,Si) ₁₃ Hy magnetic refrigerant via low-contamination route using dissolutive mold. <i>Materials and Design</i> , 2022, 217, 110651.	7.0	5
135	Thermal expansion anomaly in amorphous Y–Fe spin glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 954-957.	5.6	4
136	Application of the giant magnetoresistance effect of nanogranular Ag ₇₂ Co ₂₈ thin film as a sensor for brushless dc motors. <i>Journal of Applied Physics</i> , 2002, 91, 7780.	2.5	4
137	Anti-invar behaviour due to spin fluctuations in Y ₆ (Mn _{1-x} Fe _x) ₂₃ compounds. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 5785-5794.	1.8	4
138	Volume change due to the transition from the ferromagnetic to the antiferromagnetic state in La(Fe _{0.862} Al _{0.138}) ₁₃ compound. <i>Journal of Applied Physics</i> , 2003, 93, 7266-7268.	2.5	4
139	Ferromagnetism of (ScCa)Co ₂ Laves phase compound synthesized under high pressure. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 147-150.	5.5	4
140	Magnetic domains in a metamagnetic La(Fe _{0.90} Si _{0.10}) ₁₃ refrigerant. <i>Journal of Applied Physics</i> , 2006, 100, 043913.	2.5	4
141	Lateral and Vertical Magnetic Interactions in Submicron-Sized Fe Ring Arrays and Fe/Au/Fe Trilayer Ring Structures. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 2164-2166.	1.5	4
142	Study of entropic characteristics of strongly correlated systems using VO ₂ as a model case. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30824-30829.	2.8	4
143	Kinetic features for nucleation-growth process of magnetic phase transition in La(Fe _{0.88} Si _{0.12}) ₁₃ compounds. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	4
144	Spin fluctuation in amorphous Y–Ni alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 950-953.	5.6	3

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145	Magnetization of amorphous Fe-based concentrated spin glasses. <i>Physica B: Condensed Matter</i> , 1996, 216, 297-300.	2.7	3
146	Spin fluctuations and thermal expansion of $\text{La}(\text{Ni}_x\text{Al}_{1-x})_{13}$ amorphous alloys. <i>Journal of Applied Physics</i> , 1998, 83, 6320-6322.	2.5	3
147	Magnetic phase diagrams of $\text{Nb}_x\text{Fe}_{100-x}$ and $\text{Ta}_x\text{Fe}_{100-x}$ amorphous alloy systems. <i>Journal of Alloys and Compounds</i> , 2000, 308, 38-43.	5.5	3
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