Asaya Fujita

List of Publications by Year in descending order

198 papers	9,542 citations	93792 39 h-index	43601 95 g-index
201 all docs	201 docs citations	201 times ranked	4668 citing authors

#	Article	IF	Citations
1	Microstructure and magnetocaloric property of homogeneous La(FexSi1â”x)13 compounds fabricated by laser fusion using a powder mixture of Fe and LaySiz compounds. Journal of Alloys and Compounds, 2022, 901, 163706.	2.8	5
2	Improvement of magnetocaloric effect in La(FexSi1-x)13 by dealing with inhibitory microstructures at high Fe concentration. Acta Materialia, 2022, 227, 117726.	3.8	11
3	Novel approach in fabricating microchannel-structured La(Fe,Si)13Hy magnetic refrigerant via low-contamination route using dissolutive mold. Materials and Design, 2022, 217, 110651.	3.3	5
4	Colossal Barocaloric Effect by Large Latent Heat Produced by Firstâ€Order Intersiteâ€Chargeâ€Transfer Transition. Advanced Functional Materials, 2021, 31, 2009476.	7.8	21
5	Giant Magneto-Volume and Magneto-Caloric Effects of Frustrated Antiferromagnet Mn3GaN under Hydrostatic Pressure. Journal of the Physical Society of Japan, 2021, 90, 044601.	0.7	10
6	Giant multiple caloric effects in charge transition ferrimagnet. Scientific Reports, 2021, 11, 12682.	1.6	6
7	LiVO2 as a new solid-state phase change material. Journal of Alloys and Compounds, 2021, 882, 160741.	2.8	2
8	Kinetic features for nucleation-growth process of magnetic phase transition in La(Fe0.88Si0.12)13 compounds. Journal of Applied Physics, 2020, 127, .	1.1	4
9	Metallurgical Synthesis of Mg2FexSi1â€“x Hydride: Destabilization of Mg2FeH6 Nanostructured in Templated Mg2Si. Inorganic Chemistry, 2020, 59, 2758-2764.	1.9	2
10	Experimental investigation of nitrogenation process for heavy rare earth nitrides from their hydrides. AIP Advances, 2019, 9, 045221.	0.6	3
11	Influence of electronic and metallographic structures on hydrogen redistribution in La(Fe,Si)13-based magnetocaloric compounds. Acta Materialia, 2019, 169, 162-171.	3.8	16
12	Influence of strain on latent heat of VO 2 ceramics. Journal of Alloys and Compounds, 2018, 751, 241-246.	2.8	10
13	Electronic structure, metamagnetism and thermopower of LaSiFe₁₂and interstitially doped LaSiFe₁₂. Journal Physics D: Applied Physics, 2018, 51, 034003.	1.3	18
14	â€œEntropicsâ€• Science and engineering of caloric phenomena related to itinerant-electron magnetism and spin fluctuations. Journal of Physics: Conference Series, 2017, 868, 012004.	0.3	1
15	Relation between paramagnetic entropy and disordered local moment in La(Fe0.88Si0.12)13 magnetocaloric compound. APL Materials, 2016, 4, .	2.2	6
16	Study of entropic characteristics of strongly correlated systems using VO2 as a model case. Physical Chemistry Chemical Physics, 2016, 18, 30824-30829.	1.3	4
17	Effect of atomic modulation on theJ-mixing-dominant magnetic anisotropy in SmFe7epitaxial films. Applied Physics Express, 2016, 9, 043001.	1.1	2
18	Materials Innovations for Magnetic Refrigeration at Room Temperature. TEION KOGAKU (Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0

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19	Electrocaloric effect of metal-insulator transition in VO2. Applied Physics Letters, 2015, 106, .	1.5	23
20	Giant barocaloric effect enhanced by the frustration of the antiferromagnetic phase in Mn3GaN. Nature Materials, 2015, 14, 73-78.	13.3	226
21	Realization of small intrinsic hysteresis with large magnetic entropy change in La0.8Pr0.2(Fe0.88Si0.10Al0.02)13 by controlling itinerant-electron characteristics. Applied Physics Letters, 2014, 104, .	1.5	8
22	Improvement of low-field magnetic entropy change by increasing Fe concentration in solid-state reactive sintered La(FexSi1â^'x)13. Journal of Alloys and Compounds, 2014, 601, 158-161.	2.8	12
23	Accumulation and localization of alkali elements in Lentinula edodes studied by PIXE analysis. International Journal of PIXE, 2014, 24, 197-204.	0.4	3
24	New useful function of hydrogen in materials. Journal of Alloys and Compounds, 2013, 580, S401-S405.	2.8	7
25	A large magnetic-field-induced strain in Niâ€“Feâ€“Mnâ€“Gaâ€“Co ferromagnetic shape memory alloy. Journal of Alloys and Compounds, 2013, 577, S372-S375.	2.8	10
26	Shape-anisotropic heterogeneous nucleation and magnetic Gibbs-Thomson effect in itinerant-electron metamagnetic transition of La(Fe0.88Si0.12)13 magnetocaloric compound. Applied Physics Letters, 2013, 102, .	1.5	19
27	Microstructure and magnetic properties of as-quenched cubic and tetragonal La(Fe1â^'xSix)13 compounds. Journal of Alloys and Compounds, 2013, 578, 220-227.	2.8	15
28	Kinetics of thermally induced first-order magnetic transition in La(Fe0.88Si0.12)13 itinerant electron metamagnet. Journal of Alloys and Compounds, 2013, 577, S48-S51.	2.8	15
29	Contribution of paramagnetic entropy to magnetocaloric effect in La(FexSi1â^'x)13. Journal of Applied Physics, 2013, 113, .	1.1	10
30	Studies on radioactive cesium and alkali elements in lentinula edodes (Shiitake) based on PIXE analysis. International Journal of PIXE, 2013, 23, 147-152.	0.4	3
31	Control of Working Temperature of Isothermal Magnetic Entropy Change in La0.8Nd0.2(Fe0.88Si0.12)13by Hydrogen Absorption for Magnetic Refrigerants. Journal of Magnetics, 2013, 18, 150-154.	0.2	1
32	Application of Degree of Magnetic Freedoms and Magnetic Phase Transition in Solid State to Refrigeration. Nihon AEM Gakkaishi, 2013, 21, 52-57.	0.0	0
33	Stability of metallic, magnetic and electronic states in NaZn13-type La(FexSi1â^'x)13 magnetocaloric compounds. Scripta Materialia, 2012, 67, 578-583.	2.6	49
34	Magnetic properties of Mn-rich Rh2Mn1+Sn1â^' Heusler alloys. Physica B: Condensed Matter, 2012, 407, 311-315.	1.3	5
35	Determination of the magnetic ground state in the martensite phase of Niâ€“Mnâ€“Z(Z= In,) Tj ETQq1 1 0.784314 rgB Condensed Matter, 2011, 23, 326001.	0.7	32
36	Pressure effect on the Curie temperature of La(Fe_{0.88}Si_{0.12â^'y}Al_y)₁₃. Journal of Physics: Conference Series, 2011, 266, 012023.	0.3	3

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37	Large Isotropic Volume Change due to Thermal-induced First-order Transition in La_{1â^'z}Pr_z(Fe_{0.88}Si_{0.12})₁₃. Journal of Physics: Conference Series, 2011, 266, 012008.	0.3	1
38	Effects of the antiferromagnetic anti-phase domain boundary on the magnetization processes in Ni2Mn(Ga0.5Al0.5) Heusler alloy. Scripta Materialia, 2011, 65, 41-44.	2.6	18
39	Influence of Supercooling on the Thermally Induced First-Order Magnetic Transition in Magnetocaloric Compound La(Fe$_{0.88}$Si$_{0.12}$)$_{13}$. IEEE Transactions on Magnetics, 2011, 47, 3387-3390.	1.2	5
40	Influence of Homogenization of Microstructual Composition on Hydrogen Absorption into ${m La}{({m Fe}_{m x}{m Si}_{1-{m x}})}_{13}$ Magnetic Refrigerants. IEEE Transactions on Magnetics, 2011, 47, 2459-2462.	1.2	10
41	Spin Wave-Stiffness Constants of Half-Metallic Ferromagnets ${m Co}_{2}YZ$ ($Y={m Cr}$, Mn,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	29
42	Influence of Demagnetization Effect on the Kinetics of the Itinerant Electron Metamagnetic Transition in Magnetic Refrigerant ${m La}{({m Fe}_{0.88}{m Si}_{0.12})}_{13}$. IEEE Transactions on Magnetics, 2011, 47, 2482-2485.	1.2	21
43	Changes in electronic states and magnetic free energy in La_{1â^'z}Ce_z(Fe_xSi_{1â^'x})₁₃ magnetic refrigerants. Journal Physics D: Applied Physics, 2011, 44, 064013.	1.3	14
44	Electronic specific heat coefficient and magnetic properties ofL2₁phase in Co₂YGa (Y= Cr, Mn and Fe) Heusler alloys. Journal of Physics: Conference Series, 2010, 200, 062036.	0.3	10
45	Influence of hydrogenation on volume dependence of the Curie temperature and entropy change in La(Fe0.86Si0.14)13. Journal of Physics: Conference Series, 2010, 200, 092006.	0.3	2
46	New function of hydrogen in materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 253-259.	1.7	22
47	Large magnetic-field-induced strain in Coâ€“Niâ€“Al single-variant ferromagnetic shape memory alloy. Scripta Materialia, 2010, 63, 379-382.	2.6	28
48	Transformation of Green Rust 1 (Cl-1) and Green Rust 2 (SO42-) to Different Oxyhydroxides in Water. High Temperature Materials and Processes, 2010, 29, 483-494.	0.6	3
49	Electronic Structure of La(Fe0.88Si0.12)13. Materials Research Society Symposia Proceedings, 2010, 1262, 1.	0.1	5
50	Pressure detector based on the itinerant-electron metamagnetic transition of La(Fe0.88Si0.12)13Hy. Journal Physics D: Applied Physics, 2010, 43, 295003.	1.3	1
51	Magnetocaloric effect in spherical La(FexSi1â^'x)13 and their hydrides for active magnetic regenerator-type refrigerator. Journal of Applied Physics, 2009, 105, .	1.1	33
52	Magnetic anisotropy in Niâ€“Feâ€“Gaâ€“Co ferromagnetic shape memory alloys in the single-variant state. Journal of Physics Condensed Matter, 2009, 21, 076001.	0.7	18
53	Anomaly in entropy change between parent and martensite phases in the Ni50Mn34In16 Heusler alloy. Scripta Materialia, 2009, 60, 25-28.	2.6	90
54	Control of Magnetocaloric Effects by Partial Substitution in Itinerant-Electron Metamagnetic $hbox{La}{(hbox{Fe}_{m x}hbox{Si}_{1-{m x}})}_{13}$ for Application to Magnetic Refrigeration. IEEE Transactions on Magnetics, 2009, 45, 2620-2625.	1.2	13

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55	Influence of hydrogenation on the electronic structure and the itinerant-electron metamagnetic transition in strong magnetocaloric compound La(Fe 0.88 Si 0.12) 13. Journal of Magnetism and Magnetic Materials, 2009, 321, 3553-3558.	1.0	31
56	Reduction of hysteresis loss and large magnetocaloric effects in substituted compounds of itinerant-electron metamagnets La(Fe x Si 1â˜' x) 13. Journal of Magnetism and Magnetic Materials, 2009, 321, 3567-3570.	1.0	10
57	Heat dissipation mechanism of magnetite nanoparticles in magnetic fluid hyperthermia. Journal of Magnetism and Magnetic Materials, 2009, 321, 1493-1496.	1.0	165
58	Synthesis of magnetite nanoparticles for AC magnetic heating. Journal of Magnetism and Magnetic Materials, 2009, 321, 3019-3023.	1.0	68
59	Stress-assisted large magnetic-field-induced strain in single-variant Coâ€“Niâ€“Ga ferromagnetic shape memory alloy. Journal of Physics Condensed Matter, 2009, 21, 256002.	0.7	13
60	Hydrogen-Induced New Functions in Sub-Nano Lattice Matter. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2009, 73, 141-150.	0.2	0
61	Concentration Dependence of Pressure Effect in La(Fe<I>_x</I>Si_{1−<I>x</I>})₁₃ Compounds. Materials Transactions, 2009, 50, 1908-1908.	0.4	0
62	Strong Pressure Effect on the Curie Temperature of Itinerant-Electron Metamagnetic La(Fe_{0.88}Si_{0.12})₁₃H<I>_y</I> and La_{0.7}Ce_{0.3}(Fe_{0.88}Si_{0.12})₁₃H<I>_y</I>. Materials Transactions, 2009, 50, 483-486.	0.4	11
63	Local Hall measurement of magnetization reversal and magnetic interaction in Fe/Au/Fe trilayer rings. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 294-297.	0.8	2
64	Low-temperature specific heat of Niâ€“Mnâ€“Ga ferromagnetic shape memory alloys. Journal of Magnetism and Magnetic Materials, 2008, 320, e156-e159.	1.0	20
65	Atomic ordering and magnetic properties in Ni2Mn(Ga Al1â˜') Heusler alloys. Acta Materialia, 2008, 56, 4789-4797.	3.8	61
66	Phase stability and magnetic properties of L21 phase in Co2Mn(Al1â˜'Si) Heusler alloys. Scripta Materialia, 2008, 58, 723-726.	2.6	36
67	Phase stability and magnetic properties of Co2(Ti1â˜'Fe)Ga Heusler alloys. Scripta Materialia, 2008, 59, 830-833.	2.6	11
68	Control of interlayer magnetostatic coupling in submicron-sized Feâ•Auâ•Fe rings. Applied Physics Letters, 2008, 92, 032502.	1.5	3
69	Kinetic arrest of martensitic transformation in the NiCoMnIn metamagnetic shape memory alloy. Applied Physics Letters, 2008, 92, .	1.5	209
70	Disappearance of ferromagnetism in amorphous La(Fe0.85Al0.15)13 under high pressure. Journal of Alloys and Compounds, 2008, 455, 21-24.	2.8	3
71	Martensitic Transformation in NiCoMnSn Metamagnetic Shape Memory Alloy Powders. Materials Transactions, 2008, 49, 1915-1918.	0.4	19
72	Neutron Diffraction and Isotropic Volume Expansion Caused by Deuterium Absorption into La(Fe_{0.88}Si_{0.12})₁₃. Journal of the Physical Society of Japan, 2008, 77, 074722.	0.7	28

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73	Magnetic properties and stability of L21 and B2 phases in the Co2MnAl Heusler alloy. Journal of Applied Physics, 2008, 103, .	1.1	74
74	High Remanent Magnetization ofL10-Ordered FePt Thin Film on MgO/(001) GaAs. Japanese Journal of Applied Physics, 2008, 47, 3269-3271.	0.8	8
75	MÃ¶ssbauer study on martensite phase in Ni50Mn36.5Fe0.557Sn13 metamagnetic shape memory alloy. Applied Physics Letters, 2008, 93, .	1.5	83
76	Suppression of stray field between adjacent rings in one-dimensional ferromagnetic ring arrays. Journal of Applied Physics, 2008, 103, 07A714.	1.1	3
77	Magnetic properties, phase stability, electronic structure, and half-metallicity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>L</mml:mi><mml:msub><mml:mn>2</mml:mn><mml:mn>1</mml:mn></mml:msub></mml:mr xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi		

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91	Characterization of Different Solid Particles Transformed from Green Rust in Aqueous Solution â€" Using XRD, MÃ¶ssbauer Spectroscopy, and XANES. ISIJ International, 2007, 47, 1452-1457.	0.6	11
92	Landau Coefficients Determined from Pressure-Induced Susceptibility Maximum in Itinerant-Electron Metamagnet La(Fe0.89Si0.11)13. Journal of the Physical Society of Japan, 2007, 76, 88-89.	0.7	0
93	Thermal Expansion Characteristics Associated with Spin Fluctuations under Applied Magnetic Field and High Pressure for Lu(Co0.9Ga0.1)2Laves-Phase Compound. Journal of the Physical Society of Japan, 2007, 76, 84-85.	0.7	0
94	Magnetic domain analysis by in-situ TEM observation of magnetic refrigerant La(Fe0.90Si0.10)13. Journal of Magnetism and Magnetic Materials, 2007, 310, 2815-2817.	1.0	1
95	Reduction of hysteresis loss in itinerant-electron metamagnetic transition by partial substitution of Pr for La in La(FexSi1â^'x)13. Journal of Magnetism and Magnetic Materials, 2007, 310, e1004-e1005.	1.0	32
96	Relative cooling power of La(FexSi1â^'x)13 after controlling the Curie temperature by hydrogenation and partial substitution of Ce. Journal of Magnetism and Magnetic Materials, 2007, 310, e1006-e1007.	1.0	31
97	Magnetic interaction of submicron-sized ferromagnetic rings in one-dimensional array. Applied Physics Letters, 2006, 89, 122508.	1.5	23
98	Metamagnetic shape memory effect in a Heusler-type Ni43Co7Mn39Sn11 polycrystalline alloy. Applied Physics Letters, 2006, 88, 192513.	1.5	378
99	Large magnetocaloric effects enhanced by partial substitution of Ce for La in La(Fe0.88Si0.12)13 compound. Journal of Alloys and Compounds, 2006, 408-412, 1165-1168.	2.8	76
100	Large magnetocaloric effects and thermal transport properties of La(FeSi)13 and their hydrides. Journal of Alloys and Compounds, 2006, 408-412, 307-312.	2.8	80
101	Ferromagnetism of (ScCa)Co2 Laves phase compound synthesized under high pressure. Journal of Alloys and Compounds, 2006, 408-412, 147-150.	2.8	4
102	Enhancement of isothermal entropy change due to spin fluctuations in itinerant-electron metamagnetic La(Fe0.88Si0.12)13 compound. Journal of Alloys and Compounds, 2006, 408-412, 62-65.	2.8	16
103	Magnetocaloric and structural properties of SmMn2Ge2. Journal of Alloys and Compounds, 2006, 408-412, 118-121.	2.8	16
104	Control of Working Temperature of Large Isothermal Magnetic Entropy Change in La(Fe<I>_x</I>TM<I>_y</I>Si_{1−<I>x</I>−<I>y</I>})₁₃ (TM=Cr, Mn, Ni) and La_{1−<I>z</I>}Ce<I>_z</I>(Fe<I>_x</I>Mn<I>_y</I>Si<SUB>1−<I>x</I> Materials Transactions, 2006, 47, 482-485.	0.4	25
105	Concentration Dependence of Pressure Effect in La(Fe<I>_x</I>Si_{1−<I>x</I>})₁₃ Compounds. Materials Transactions, 2006, 47, 478-481.	0.4	5
106	Magnetic-field-induced shape recovery by reverse phase transformation. Nature, 2006, 439, 957-960.	13.7	1,631
107	Design and performance of a permanent-magnet rotary refrigerator. International Journal of Refrigeration, 2006, 29, 1302-1306.	1.8	193
108	Application of Large Magnetocaloric Effects in Itinerant-Electron Metamagnets to Cooling Systems. Materials Science Forum, 2006, 512, 137-144.	0.3	1

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109	Pressure-induced anomalies in itinerant-electron metamagnetic properties around the critical end point inLa(Fe0.89Si0.11)13. Physical Review B, 2006, 73, .	1.1	27
110	Strong magnetocaloric effects in La1â^'zCez(Fexâ^'yMnySi1â^'x)13 at low temperatures. Applied Physics Letters, 2006, 89, 062504.	1.5	30
111	Magnetic domains in a metamagnetic La(Fe0.90Si0.10)13 refrigerant. Journal of Applied Physics, 2006, 100, 043913.	1.1	4
112	Temperature dependence of magnetocrystalline anisotropy constants in the single variant state of L10-type FePt bulk single crystal. Applied Physics Letters, 2006, 88, 102503.	1.5	54
113	Influence of partial substitution of Ce on the Curie temperature and magnetic entropy change in itinerant-electron metamagnetic La(FexSi1â^'x)13 compounds. Journal of Applied Physics, 2006, 99, 08K910.	1.1	25
114	<I>In Situ</I> TEM Observation of Thermally-Induced First-Order Magnetic Transition in Itinerant-Electron Metamagnetic La(Fe<I>_x</I>Si_{1−<I>x</I>})₁₃ Compounds. Materials Transactions, 2005, 46, 1764-1767.	0.4	7
115	Itinerant-electron metamagnetism and onset of weak ferromagnetism in laves phase Y(Co1â^'xGax)2 compounds. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 431-434.	1.0	2
116	Magnetocrystalline anisotropy energy in L10-type CoPt single crystals. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 566-569.	1.0	20
117	Enhancement of magnetic-field-induced strain in Niâ€"Feâ€"Gaâ€"Co Heusler alloy. Scripta Materialia, 2005, 53, 1237-1240.	2.6	54
118	Large magnetocaloric effects and Landau coefficients of itinerant electron metamagnetic La(Fe/sub) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	22
119	Control of large magnetocaloric effects and hysteresis of La/sub 1-z/Ce/sub z/(Fe/sub 0.86/Si/sub) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	29
120	Effects of partial substitution of Co on magnetocrystalline anisotropy and magnetic-field-induced strain in NiFeGa alloys. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 850-853.	1.0	34
121	Spin fluctuation, thermal expansion anomaly, and pressure effects on the NÃ©el temperature ofÎ²-MnM (M=Ru, Os, and Ir) alloys. Physical Review B, 2005, 72, .	1.1	15
122	Effect of spin fluctuations on thermal expansion characteristics in paramagnetic Laves-phaseLu(Co1â^'xGax)2compounds. Physical Review B, 2005, 71, .	1.1	2
123	Large magnetocrystalline anisotropy energy of L10-type Co100â^'xPtx bulk single crystals prepared under compressive stress. Applied Physics Letters, 2005, 86, 112515.	1.5	15
124	Itinerant-electron metamagnetism and susceptibility maximum behavior in several kinds of Laves-phase compounds. Journal of Alloys and Compounds, 2005, 394, 43-50.	2.8	6
125	Control of large magnetocaloric effects in metamagnetic compounds by hydrogenation. Journal of Alloys and Compounds, 2005, 404-406, 554-558.	2.8	64
126	Magnetic properties and phase stability of half-metal-type Co2Cr1â^'xFexGa alloys. Journal of Alloys and Compounds, 2005, 399, 60-63.	2.8	26

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127	Half-metallic properties ofCo2(Cr1â^'xFex)GaHeusler alloys. Physical Review B, 2005, 72, .	1.1	92
128	In Situ TEM Observation of First-order Magnetic Phase Transition in Itinerant-Electron Metamagnetic La (Fe_{0.90}Si_{0.10}) ₁₃ Compound. Materia Japan, 2005, 44, 977-977.	0.1	0
129	Kadowakiâ€"Woods plot of exchange-enhanced Pauli paramagnetic Laves phase quasi-binary compounds Lu(Co1ÂxMx)2. Journal of Physics Condensed Matter, 2004, 16, 2829-2837.	0.7	3
130	X-ray diffraction study in high magnetic fields of magnetovolume effect in itinerant-electron metamagnetic La(Fe0.88Si0.12)13 compound. Journal of Applied Physics, 2004, 95, 6687-6689.	1.1	34
131	Magnetic properties and band structures of half-metal-type Co2CrGa Heusler alloy. Applied Physics Letters, 2004, 85, 2011-2013.	1.5	97
132	Effect of Si substitution on anti-invar behavior of Y6(Mn1â^'xSix)23 compounds. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 499-500.	1.0	0
133	Influence of spin fluctuations on thermodynamics of itinerant-electron metamagnetic transition in La(Fe0.88Si0.12)13 compound. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E629-E630.	1.0	8
134	Magnetocrystalline anisotropy and magnetostriction in ordered and disordered Feâ€"Ga single crystals. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2060-2061.	1.0	36
135	Magnetic anisotropy and mangnetostriction in L10 FePd alloy. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2173-2174.	1.0	21
136	Direct measurement of magnetocaloric effects in itinerant-electron metamagnets La(FexSi1â^'x)13 compounds and their hydrides. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2365-2366.	1.0	38
137	Phase separation and magnetic properties of half-metal-type Co2Cr1â^'xFexAl alloys. Applied Physics Letters, 2004, 85, 4684-4686.	1.5	117
138	Transition between antiferromagnetic and ferromagnetic states in itinerant-electronLa(FexAl1â^'x)13compounds. Physical Review B, 2004, 70, .	1.1	32
139	Lattice axial ratio and large uniaxial magnetocrystalline anisotropy inL10-type FePd single crystals prepared under compressive stress. Physical Review B, 2004, 70, .	1.1	84
140	Thermal transport properties of magnetic refrigerants La(FexSi1â^'x)13 and their hydrides, and Gd5Si2Ge2 and MnAs. Journal of Applied Physics, 2004, 95, 2429-2431.	1.1	120
141	Formation of Icosahedral Clusters and Spin Freezing in RE(Fe_{1-x}Al_x)₁₃ Amorphous Alloys. Materials Transactions, 2004, 45, 149-156.	0.4	3
142	Enhancements of Magnetocaloric Effects in La(Fe_{0.90}Si_{0.10})₁₃ and Its Hydride by Partial Substitution of Ce for La. Materials Transactions, 2004, 45, 3228-3231.	0.4	38
143	Large magnetocaloric effects in NaZn13-type La(FexSi1â^'x)13compounds and their hydrides composed of icosahedral clusters. Science and Technology of Advanced Materials, 2003, 4, 339-346.	2.8	79
144	Itinerant-electron metamagnetic transition and large magnetocaloric effects inLa(FexSi1â^'x)13compounds and their hydrides. Physical Review B, 2003, 67, .	1.1	997

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145	Crystallographic site of Mn in the icosahedral cluster of LaCo13â^'xMnx compounds. Journal of Alloys and Compounds, 2003, 350, 47-51.	2.8	3
146	Magnetic moment and spin-wave stiffness constant of La(Co1â^'xMnx)13 compounds consisting of icosahedrons. Journal of Alloys and Compounds, 2003, 354, 72-77.	2.8	2
147	Thermal expansion anomaly and pressure effect on the Curie temperature of Lu6(Mn1ÂxFex)23compounds. Journal of Physics Condensed Matter, 2003, 15, 5551-5562.	0.7	1
148	Large magnetovolume effects and band structure of itinerant-electron metamagneticLa(FexSi1â^'x)13compounds. Physical Review B, 2003, 68, .	1.1	82
149	Influence of pressure on itinerant electron metamagnetic transition in La(FexSi1â^'x)13 compounds. Journal of Applied Physics, 2003, 93, 7263-7265.	1.1	34
150	Volume change due to the transition from the ferromagnetic to the antiferromagnetic state in La(Fe0.862Al0.138)13 compound. Journal of Applied Physics, 2003, 93, 7266-7268.	1.1	4
151	Magnetic-field-induced strain of Feâ€"Niâ€"Ga in single-variant state. Applied Physics Letters, 2003, 83, 4993-4995.	1.5	66
152	Magnetocrystalline Anisotropy in a Single Crystal Fe-Ni-Ga Ferromagnetic Shape Memory Alloy. Materials Transactions, 2003, 44, 661-664.	0.4	33
153	Origin of Perpendicular Magnetic Anisotropy in Tb-Fe Amorphous Alloy. Materials Transactions, 2003, 44, 2605-2610.	0.4	11
154	Magnetocrystalline Anisotropy in a Single-Variant Co-Ni-Al Ferromagnetic Shape Memory Alloy. Materials Transactions, 2003, 44, 2180-2183.	0.4	16
155	Icosahedral Clusters in RE(TM1-xAlx)13 Amorphous Alloys. Advances in Materials Research, 2003, , 93-200.	0.2	2
156	Magnetocrystalline anisotropy in single-crystal Coâ€"Niâ€"Al ferromagnetic shape-memory alloy. Applied Physics Letters, 2002, 81, 1657-1659.	1.5	94
157	Application of the giant magnetoresistance effect of nanogranular Ag[sub 72]Co[sub 28] thin film as a sensor for brushless dc motors. Journal of Applied Physics, 2002, 91, 7780.	1.1	4
158	Anti-invar behaviour due to spin fluctuations in Y6(Mn1-xFex)23 compounds. Journal of Physics Condensed Matter, 2002, 14, 5785-5794.	0.7	4
159	Nanogranular GMR Ag₇₂Co₂₈ Thin Films for Rotating Angle Sensor at High Temperatures. Materials Transactions, 2002, 43, 1254-1257.	0.4	2
160	Giant Magnetic Entropy Change in Hydrogenated La(Fe_{0.88}Si_{0.12})₁₃H_y Compounds. Materials Transactions, 2002, 43, 1202-1204.	0.4	54
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