

Rie Y Umetsu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Critical Behavior of the Magnetization in Heusler Alloy Co_2TiGaSn . IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	0
2	Determination of magnetic, electronic and lattice contributions to low-temperature specific heat: Procedure and its application to metamagnetic alloys. Journal of Magnetism and Magnetic Materials, 2022, 541, 168549.	2.3	1
3	Magnetization of Quaternary Heusler Alloy CoFeCrAl . IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1
4	High-density magnetic-vacancy inclusion in Co_2MnGa single crystal probed by spin-polarized positron annihilation spectroscopy. Journal of Physics Condensed Matter, 2022, 34, 045701.	1.8	2
5	Ordering and interatomic bonding in magnetostrictive $\text{Fe}_{1-x}\text{Co}_x\text{Ga}$ alloys. Journal of Magnetism and Magnetic Materials, 2022, 547, 168908.	3.0	3
6	Acceleration of B2/L21 order-disorder transformation in Ni_2MnAl Heusler alloys by in-magnetic-field annealing. Journal of Magnetism and Magnetic Materials, 2022, 547, 168908.	2.3	2
7	$\text{Mn}_{L_{2,3}}$ -edge EXAFS and Magnetic EXAFS Studies on the Halfmetallic Ferromagnet Co_2MnSi . Journal of the Physical Society of Japan, 2022, 91, .	1.6	0
8	Characteristic Twin Formation in Body-centered Cubic Fe-Ga Alloy Single Crystals with Different Orientations. ISIJ International, 2022, 62, 957-962.	1.4	1
9	Characterization of Fe-Ni-Pt(Zr) magnetron deposited thin films subjected to low-temperature annealing. Thin Solid Films, 2022, 756, 139347.	1.8	0
10	Dual Acceleration of $\mu_0\text{-}M$, Transformation in Mn-Al Induced by Zn-Addition and In-Magnetic-Field Annealing. Materials Transactions, 2021, 62, 124-129.	1.2	1
11	Magnetic Properties and Electronic State of Mn-based Heusler Alloys. Materia Japan, 2021, 60, 205-211.	0.1	1
12	Microstructure, Morphology and Magnetic Property of (001)-Textured MnAlGe Films on Si/SiO_2 Substrate. Materials Transactions, 2021, 62, 680-687.	1.2	3
13	Perpendicular magnetic anisotropy in ultra-thin Cu_2Sb -type Mn-CrAlGe films fabricated onto thermally oxidized silicon substrates. Applied Physics Letters, 2021, 118, .	3.3	4
14	Seeded Growth of Type-II $\text{Na}_{24}\text{Si}_{136}$ Clathrate Single Crystals. Crystals, 2021, 11, 808.	2.2	6
15	Detecting halfmetallic electronic structures of spintronic materials in a magnetic field. Scientific Reports, 2021, 11, 18654.	3.3	3
16	Magnetic-field-induced selective retardation of reaction in Mn/Ga diffusion couple. Journal of Alloys and Compounds, 2021, 887, 161310.	5.5	5
17	Magnetic-field-induced decomposition in Cu_2MnAl Heusler alloys. Journal of Magnetism and Magnetic Materials, 2021, 540, 168411.	2.3	1
18	Synthesis of Ferromagnetic $\mu_0\text{-}M$, Mn-Al-C by Reactive Sintering. Materials Transactions, 2021, 62, 130-134.	1.2	2

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19	MgO template effect for perpendicular magnetic anisotropy in (001)-textured poly-crystalline MnAlGe films. AIP Advances, 2021, 11, 015124.	1.3	2
20	Three-dimensional bulk Fermi surfaces and Weyl crossings of Co_2MnGa thin films underneath a protection layer. Physical Review B, 2021, 104, .	3.2	2
21	Effect of disorder and vacancy defects on electrical transport properties of Co_2MnGa thin films grown by magnetron sputtering. Journal of Applied Physics, 2021, 130, .	2.5	2
22	Structure and properties of nanoporous FePt fabricated by dealloying a melt-spun Fe ₆₀ Pt ₂₀ B ₂₀ alloy and subsequent annealing. Journal of Materials Science and Technology, 2020, 36, 128-133.	10.7	20
23	Heat treatment effect on the magnetic properties and martensitic transformations of MnCoGe. Journal of Magnetism and Magnetic Materials, 2020, 499, 166199.	2.3	5
24	Visualizing Half-Metallic Bulk Band Structure with Multiple Weyl Cones of the Heusler Ferromagnet. Physical Review Letters, 2020, 125, 216403.	7.8	21
25	Magnetic field-induced nitridation of $\text{Sm}_2\text{Fe}_{17}$. Journal of Alloys and Compounds, 2020, 835, 155193.	5.5	7
26	Temperature dependence of exchange stiffness in an off-stoichiometric MnIn Heusler alloy. Physical Review B, 2020, 101, .	3.2	5
27	Perpendicular magnetic anisotropy of (001)-textured poly-crystalline MnAlGe films. AIP Advances, 2020, 10, 015122.	1.3	6
28	Magnetic Field Effect on Nitrogenation of $\text{Sm}_2\text{Fe}_{17}$. Materials Transactions, 2020, 61, 1487-1491.	1.2	4
29	Effects of Substituted Elements on Spin Reorientation in Mn_2Sb and $\text{Mn}_2\text{Sb}_{1-x}\text{Sn}_x$. Materials Transactions, 2020, 61, 1492-1495.	2.3	1
30	Weak itinerant-electron ferromagnetism of CrAlGe modified by 3d transition metal. Journal of Magnetism and Magnetic Materials, 2019, 492, 165677.	2.3	1
31	Applications of Amorphous Alloy/Metallic Glass for Environmental and Energy Engineering, Electronics Engineering, and Biomedical Engineering Fields. , 2019, , 23-59.		0
32	Perpendicularly magnetized Cu_2Sb type (Mn-Cr)AlGe films onto amorphous SiO_2 . Applied Physics Express, 2019, 12, 103002.	2.4	8
33	Anisotropy of Magnetostriction of Functional BCC Iron-Based Alloys. Materials Transactions, 2019, 60, 2235-2244.	1.2	20
34	Magnetic-Field-Induced Enhancement of Phase Transformation in Ferromagnetic $\text{Fe}_{1-x}\text{Mn}_x\text{Al}$. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 181-185.	0.4	0
35	Martensitic transformation and shape memory effect in $\text{Pd}_{50}\text{Mn}_{50-x}\text{Ga}_x$ alloys. Journal of Alloys and Compounds, 2019, 805, 379-387.	5.5	7
36	Half-metallicity of the ferrimagnet Mn_2VAl revealed by resonant inelastic soft x-ray scattering in a magnetic field. Physical Review B, 2019, 99, .	3.2	12

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37	Investigation of the Itinerant Electron Ferromagnetism of $\text{Ni}_{2-x}\text{MnGa}_{1+x}$ and Co_2VGa Heusler Alloys. Materials, 2019, 12, 575.	2.9	6
38	Transport properties of ferrimagnetic Mn_2CoSn Heusler alloy. Journal of Magnetism and Magnetic Materials, 2019, 485, 193-196.	2.3	8
39	In-Field Heat Treatment Effect on Nitridation of $\text{Sm}_2\text{Fe}_{17}$. Materials Transactions, 2019, 60, 2179-2182.	1.2	4
40	Atomic ordering, magnetic properties, and electronic structure of Mn_2CoGa Heusler alloy. Journal of Physics Condensed Matter, 2019, 31, 065801.	1.8	15
41	Different Magnetic Field Effects on the ϵ -Phase Transformation Between $(\text{Mn,Zn})\text{Al}$ and MnAl_2C . IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	7
42	Magnetic Phase Transition of $\text{Mn}_{1.9}\text{Fe}_{0.1}\text{Sb}_{0.9}\text{Sn}_{0.1}$. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	1
43	Pressure Effect on Magnetic Properties of Weak Itinerant Electron Ferromagnet CrAlGe . Journal of the Physical Society of Japan, 2018, 87, 014701.	1.6	2
44	Electronic structure and magnetic properties of the half-metallic ferrimagnet Mn_2Co by soft x-ray spectroscopies. Physical Review B, 2018, 97, .	2.2	20
45	Magnetic and structural properties of MnCrAlGe ($\text{O} \approx 1.0$). Journal of Magnetism and Magnetic Materials, 2018, 456, 104-107.	2.3	6
46	Reactive sintering process of ferromagnetic MnBi under high magnetic fields. Journal of Magnetism and Magnetic Materials, 2018, 453, 231-235.	2.3	18
47	Pressure effect on the magnetic properties of the half-metallic Heusler alloy Co_2MnZn . Physical Review B, 2018, 97, .	2.2	20
48	Temperature dependence of differential conductance in Co-based Heusler alloy Co_2TiSn and superconductor Pb junctions. Physica B: Condensed Matter, 2018, 536, 289-292.	2.7	3
49	Cu-substitution effects on the magnetic properties of weak itinerant electron ferromagnet CrAlGe . AIP Advances, 2018, 8, 101426.	1.3	1
50	Quasi-First Order Magnetic Transition in $\text{Mn}_{1.9}\text{Fe}_{0.1}\text{Sb}_{0.9}\text{Sn}_{0.1}$. Materials Transactions, 2018, 59, 348-352.	2.3	2
51	Magnetic properties of $\text{Mn}_{1-x}\text{TM}_x\text{AlGe}$ (TM = V, Fe, Cu) with Cu_2Sb -type structure. AIP Advances, 2018, 8, .	1.3	0
52	Effects of Annealing Temperature and Magnetic Field on the ϵ -Phase Transformation in Mn-Al Alloys. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	5
53	Phase Stabilities and Magnetic Properties of Mn-Deficient and Ge-Substituted Mn_3Ga With D_{022} Structure. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	4
54	Thermal Transformation Arrest Phenomena in $\text{Mn}_2\text{Sb}_{0.9}\text{Sn}_{0.1}$. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	2

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55	Magnetization and Spin Polarization of Heusler Alloys $\text{Co}_{1-x}\text{Ti}_x\text{Sn}$ and $\text{Co}_{1-x}\text{Ti}_x\text{Ga}_{0.5}\text{Sn}_{0.5}$. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	4
56	Competing exchange interactions and magnetic anisotropy of $\text{La}_{1-x}\text{Tb}_x\text{Mn}_2\text{Si}_2$. Journal of Magnetism and Magnetic Materials, 2017, 422, 237-242.	2.3	9
57	High Field X-ray Diffraction Study for $\text{Ni}_{46}\text{Mn}_{38}\text{In}_{12}\text{Co}_2$ Metamagnetic Shape Memory Film. Metals, 2017, 7, 364.	2.3	1
58	Evidence of Change in the Density of States during the Martensitic Phase Transformation of Ni-Mn-In Metamagnetic Shape Memory Alloys. Metals, 2017, 7, 414.	2.3	8
59	Magnetic-Field-Induced Acceleration of Phase Formation in $\text{Ti}_{1-x}\text{Mn}_x\text{Al}$. Materials Transactions, 2017, 58, 1511-1518.	1.2	11
60	Enhancement of the Phase Formation Rate during In-Field Solid-Phase Reactive Sintering of Mn-Bi. Materials Transactions, 2017, 58, 720-723.	1.2	12
61	Magnetic properties of weak itinerant electron ferromagnet CrAlGe. Journal of Physics: Conference Series, 2017, 868, 012018.	0.4	9
62	Temperature Dependences of the Electrical Resistivity on the Heusler Alloy System $\text{Ni}_2\text{MnGa}_{1-x}\text{Fex}$. Metals, 2017, 7, 413.	2.3	5
63	High field X-ray diffraction measurements of $\text{Mn}_2\text{Sb}_{0.95}\text{Ge}_{0.05}$. AIP Conference Proceedings, 2016, , .	0.4	5
64	In-Magnetic-Field Annealing for Mn-Based Alloys. , 2016, , .		0
65	Magnetic Field Effects on the Morphology of Bi-Mn System. , 2016, , .		0
66	Magnetic and Structural Properties of Metamagnetic $\text{MnCo}_{0.92}\text{Fe}_{0.08}\text{Ge}$ Compound. Materials Transactions, 2016, 57, 316-320.	1.2	10
67	Magnetic field effects on reactive sintering of MnBi. AIP Conference Proceedings, 2016, , .	0.4	7
68	Magnetic and structural properties of $\text{MnCo}_{1-x}\text{FexGe}$ ($0 \leq x \leq 0.12$). AIP Conference Proceedings, 2016, , .	0.4	15
69	Magnetic field effects on liquid-phase reactive sintering of MnBi. Journal of Magnetism and Magnetic Materials, 2016, 400, 304-306.	2.3	13
70	NiMn-based metamagnetic shape memory alloys. Scripta Materialia, 2016, 116, 1-6.	5.2	51
71	Spin Stiffness Constant of Half-metallic Ferrimagnet in Mn-based Heusler Alloys. Physics Procedia, 2015, 75, 890-897.	1.2	18
72	Magnetic Phase Diagram of Heusler Alloy System $\text{Ni}_2\text{Mn}_{1-x}\text{Cr}_x\text{Ga}$. Physics Procedia, 2015, 75, 1187-1191.	1.2	13

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73	Anomalous physical properties of Heusler-type $\text{Co}_2\text{Cr}(\text{Ga,Si})$ alloys and thermodynamic study on reentrant martensitic transformations. <i>Physical Review B</i> , 2015, 91, .	3.2	21
74	Magnetic Properties of Ni-based Heusler Alloys Showing Meta-Magnetic Shape Memory Effects. <i>Materia Japan</i> , 2015, 54, 98-104.	0.1	0
75	Magnetic Properties of Cr-based Ternary Compound CrAlGe. <i>Physics Procedia</i> , 2015, 75, 918-925.	1.2	14
76	Magnetic properties and phase stability of Half-metal-type ferromagnetic Co-based Heusler alloys of $\text{Co}_2(\text{Cr}_{1-x}\text{Mn}_x)\text{Ga}$. <i>Journal of the Society of Japanese Women Scientists</i> , 2015, 15, 1-8.	0.0	0
77	Phase equilibria and magnetic properties of Heusler-type ordered phases in the Co-Mn-Ga ternary system. <i>Journal of Alloys and Compounds</i> , 2015, 645, 577-585.	5.5	18
78	Drastic change in density of states upon martensitic phase transition for metamagnetic shape memory alloy $\text{Ni}_2\text{Mn}_{1+x}\text{In}_{1-x}$. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 362201.	1.8	7
79	The effect of pressure on the magnetic and structural transition temperatures of the shape memory alloys $\text{Ni}_{50+x}(\text{Mn}_{0.5}\text{Fe}_{0.5})_{25}\text{Ga}_{25-x}$. <i>Physica B: Condensed Matter</i> , 2015, 464, 83-87.	2.7	2
80	Magnetic Properties of the Ferromagnetic Shape Memory Alloys $\text{Ni}_{50+x}\text{Mn}_{27-x}\text{Ga}_{23}$ in Magnetic Fields. <i>Materials</i> , 2014, 7, 3715-3734.	2.9	4
81	Magnetic, magneto-optical, and magnetotransport properties of Ti-substituted Co_2FeGa thin films. , 2014, .		1
82	Substitution Effects of Cr or Fe on the Curie Temperature for Mn-Based Layered Compounds MnAlGe and MnGaGe With Cu₂Sb-Type Structure. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	13
83	Magnetic-field-induced enhancement for synthesizing ferromagnetic MnBi phase by solid-state reaction sintering. <i>Journal of Alloys and Compounds</i> , 2014, 615, 131-134.	5.5	42
84	PHASE STABILITY OF $L2_1$ PHASE IN Co -BASED HEUSLER ALLOYS. <i>Spin</i> , 2014, 04, 1440018.	1.3	6
85	Magnetic properties and phase stability of $\text{Co}_2\text{Cr}(\text{Ga,Si})$ Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2014, 588, 153-157.	5.5	31
86	Magnetic phase diagram of ferromagnetic shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2014, 591, 280-285.	5.5	14
87	Normal and inverse magnetocaloric effects in the ferromagnetic shape memory alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 361, 34-43.	2.3	10
88	Magnetic phase diagram of $\text{Ni}_2\text{Mn}_{1.44-x}\text{Cu}_x\text{Sn}_{0.56}$ shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2014, 590, 221-226.	5.5	5
89	Effect of P addition on the structure and magnetic properties of melt-spun Fe-Pt-B alloy. <i>Journal of Alloys and Compounds</i> , 2014, 586, S294-S297.	5.5	13
90	Magnetic properties of Ni_2N . <i>Physica B: Condensed Matter</i> , 2014, 449, 85-89.	2.7	8

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91	Structural and Magnetic Properties of Magnetic Shape Memory Alloy Ni ₄₆ Mn ₄₁ In ₁₃ under Magnetic Fields. <i>Materials Transactions</i> , 2014, 55, 477-481.	1.2	12
92	Magnetic Field-Induced Reverse Martensitic Transformation and Thermal Transformation Arrest Phenomenon of Ni ₄₁ Co ₉ Mn ₃₉ Sb ₁₁ Alloy. <i>Metals</i> , 2014, 4, 609-622.	2.3	13
93	Magnetic field hysteresis under various sweeping rates for Ni-Co-Mn-In metamagnetic shape memory alloys. <i>Applied Physics Letters</i> , 2013, 103, 122406.	3.3	19
94	Stress-induced transformations at low temperatures in a Ni ₄₅ Co ₅ Mn ₃₆ In ₁₄ metamagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	37
95	Site occupancy and magnetic moment of Fe in Ni ₂ Mn _{0.3} Fe _{0.7} Ga alloy by neutron powder diffraction study. <i>Journal of Alloys and Compounds</i> , 2013, 580, 506-511.	5.5	6
96	Magnetic properties and phase diagram of Ni ₅₀ Mn _{50-x} Ga _x ferromagnetic shape memory alloys. <i>Acta Materialia</i> , 2013, 61, 6712-6723.	7.9	48
97	Magnetic phase diagram of Heusler alloys Pd ₂ Mn _{1+x} Sn _{1-x} . <i>Journal of Alloys and Compounds</i> , 2013, 554, 335-339.	5.5	9
98	Phase diagram and magnetic moment of Ni ₅₀ +Mn _{27-x} Ga ₂₃ ferromagnetic shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2013, 579, 521-528.	5.5	9
99	Temperature dependence of a resonance frequency of ⁵⁹ Co NMR in a ferromagnetic Heusler alloy Co ₂ FeSi. <i>Journal of Alloys and Compounds</i> , 2013, 551, 208-211.	5.5	6
100	Repulsive magneto-structural interaction in the ferromagnetic shape memory alloys Ni ₂ Mn _{1+x} In _{1-x} . <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 327, 125-131.	2.3	8
101	A polarized neutron study of the magnetization distribution in Co ₂ FeSi. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 206002.	1.8	0
102	Cooling-induced shape memory effect and inverse temperature dependence of superelastic stress in Co ₂ Cr(Ga,Si) ferromagnetic Heusler alloys. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	45
103	Cooling Rate and Composition Dependences of Magnetic Susceptibility for Zr _{54-x} Cu _{30+x} Al ₈ Ag _{8-x} Glassy Alloys. <i>Materials Transactions</i> , 2013, 54, 1356-1360.		2
104	Optical Microscopic Study on NiCoMnAl Metamagnetic Shape Memory Alloy by <i>In Situ</i> Observation under a Pulsed High Magnetic Field. <i>Materials Transactions</i> , 2013, 54, 357-362.	1.2	8
105	Effect of Hydrogen Absorption on Electrical Transport Properties for Ni ₃₆ Nb ₂₄ Zr ₄₀ Amorphous Alloy Ribbons. <i>Materials Transactions</i> , 2013, 54, 1339-1342.	1.2	4
106	Magneto-resistance and Transformation Hysteresis in the Ni ₅₀ Mn _{34.4} In _{15.6} Metamagnetic Shape Memory Alloy. <i>Materials Transactions</i> , 2013, 54, 291-296.	1.2	27
107	Magnetic Moment of Cu-Modified Ni ₂ MnGa Magnetic Shape Memory Alloys. <i>Metals</i> , 2013, 3, 114-122.	2.3	19
108	Mössbauer Spectroscopy Studies on Magnetic Properties for ⁵⁷ Fe-substituted Ni-Mn-Sn Metamagnetic Shape Memory Alloys. <i>Metals</i> , 2013, 3, 225-236.	2.3	4

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109	The Thermal Transformation Arrest Phenomenon in NiCoMnAl Heusler Alloys. <i>Metals</i> , 2013, 3, 298-311.	2.3	34
110	Thermal and Electrical Transport Properties of Zr-Based Bulk Metallic Glassy Alloys with High Glass-Forming Ability. <i>Materials Transactions</i> , 2012, 53, 1721-1725.	1.2	25
111	Direct measurement of large reversible magnetic-field-induced strain in Ni ₄₉ Co ₁ Mn ₄₈ In metamagnetic shape memory alloys. <i>Acta Materialia</i> , 2012, 60, 6883-6891.	7.9	69
112	Martensitic transition of Mn-rich Pd ₄₉ Mn ₄₈ Sn alloy. <i>Journal of Alloys and Compounds</i> , 2012, 541, 392-395.	5.5	8
113	Annealing temperature dependence of crystal structures and magnetic properties of Fe ₂ CrAl and Fe ₂ CrGa Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2012, 528, 34-39.	5.5	33
114	Phase equilibria in the Mn-rich portion of Mn ₄₉ Ga binary system. <i>Journal of Alloys and Compounds</i> , 2012, 537, 332-337.	5.5	55
115	Ni ₄₉ Mn ₄₈ X Heusler Materials. <i>Springer Series in Materials Science</i> , 2012, , 49-65.	0.6	1
116	Magnetic and chemical order-disorder transformations in Co ₂ Fe(Ga _{1-x} Si _x) and Co ₂ Fe(Al _{1-x} Si _x) Heusler alloys. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	39
117	$\text{MnGa}_{2-x}\text{MnGa}_x$	3.2	22
118	Magnetic properties of Mn-rich Rh ₂ Mn _{1+x} Sn _{1-x} Heusler alloys. <i>Physica B: Condensed Matter</i> , 2012, 407, 311-315.	2.7	5
119	The effect of Co substitution on the magnetic properties of the Heusler alloy Ni ₅₀ Mn ₃₃ Sn ₁₇ . <i>Applied Physics Letters</i> , 2011, 98, .	3.3	59
120	Determination of the magnetic ground state in the martensite phase of Ni ₄₉ Mn ₄₈ Z _{1-x} In _x (Z = In, Tj ETQq0 0 0 rgBT /Overlock Condensed Matter, 2011, 23, 326001.	1.8	32
121	Kinetic arrest behavior in martensitic transformation of NiCoMnSn metamagnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1389-1393.	5.5	78
122	Metamagnetic Shape Memory Effect in Porous Ni ₄₃ Co ₇ Mn ₃₉ Sn ₁₁ Alloy Compacts Fabricated by Pressureless Sintering. <i>Materials Transactions</i> , 2011, 52, 2270-2273.	1.2	7
123	Influence of Annealing Conditions on Magnetic Properties of Ni ₅₀ Mn _{50-x} In _x Heusler-Type Alloys. <i>Materials Transactions</i> , 2011, 52, 1836-1839.	1.2	12
124	Magnetocrystalline anisotropy in Fe ₄₉ Mn ₄₈ Ga magnetic shape memory alloy. <i>Scripta Materialia</i> , 2011, 64, 669-672.	5.2	22
125	Effects of the antiferromagnetic anti-phase domain boundary on the magnetization processes in Ni ₂ Mn(Ga _{0.5} Al _{0.5}) Heusler alloy. <i>Scripta Materialia</i> , 2011, 65, 41-44.	5.2	18
126	Suppression of ferromagnetism within antiphase boundaries in Ni ₅₀ Mn ₂₅ Al _{12.5} Ga _{12.5} alloy. <i>Scripta Materialia</i> , 2011, 65, 895-898.	5.2	11

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127	Spin Wave-Stiffness Constants of Half-Metallic Ferromagnets $\{m \text{ Co} \}_2$ ($Y = \{m \text{ Cr}\}, \text{Mn}$) Tj ETQq1 1 0.784314 rgBT ₂₉ /Overlook	2.1	29
128	Concentration dependence of magnetic moment in Ni ₅₀ Mn _{50-x} In _x /2Sbx/2 alloys with Heusler structure. Journal of Applied Physics, 2011, 109, 07A926.	2.5	2
129	Magnetic properties of Co ₅₀ â ^x Ni _x /Mn ₂₅ Al ₂₅ alloys with B ₂ structure. Journal of Applied Physics, 2011, 109, .	2.5	7
130	Magnetic properties and phase stability of Co ₂ (Ti _{1-x} Mnx)Ga Heusler alloys. Journal of Physics: Conference Series, 2010, 200, 062018.	0.4	3
131	Electronic specific heat coefficient and magnetic properties of L ₂ phase in Co ₂ Y _{1-x} Ga _x (Y = Cr, Mn and Fe) Heusler alloys. Journal of Physics: Conference Series, 2010, 200, 062036.	0.4	10
132	Observation of Reverse Transformation in Metamagnetic Shape Memory Alloy Ni ₄₀ Co ₁₀ Mn ₃₄ Al ₁₆ by High-Field X-Ray Diffraction Measurements. Materials Transactions, 2010, 51, 1648-1650.		11
133	Magnetic Properties and Phase Stability of the Half-metal-type Co-based Heusler Alloys. Materia Japan, 2010, 49, 462-470.	0.1	1
134	Shape Memory Response in Ni ₄₀ Co ₁₀ Mn ₃₃ Al ₁₇ Polycrystalline Alloy. Materials Transactions, 2010, 51, 525-528.		12
135	Kinetic Arrest of Martensitic Transformation in NiCoMnAl Metamagnetic Shape Memory Alloy. Materials Transactions, 2010, 51, 1357-1360.	1.2	56
136	Kinetic Arrest of Martensitic Transformation in Ni ₃₃ Co _{13.4} Mn _{39.7} Ga _{13.9} Metamagnetic Shape Memory Alloy. Materials Transactions, 2010, 51, 469-471.	1.1	11
137	Magnetic properties and phase stability of L ₂₁ phase in Co ₂ Mn(Ga _{1-x} Zx) (Z=Si, Ge, and Sn) Heusler alloys. Applied Physics Letters, 2010, 96, 222507.	3.3	20
138	Martensitic transition, ferromagnetic transition, and their interplay in the shape memory alloys $Ni_{3.2}Mn_2Co_{67}Al_{1.2}$ Physical Review B, 2010, 82, .	3.2	67
139	Phase stability and magnetic properties of Ni ₅₀ Mn _{50-x} In _x Heusler-type alloys. Scripta Materialia, 2010, 62, 151-154.	5.2	65
140	Heat-induced and isothermal martensitic transformations from kinetically arrested parent phase in NiCoMnIn metamagnetic shape memory alloy. Scripta Materialia, 2010, 63, 73-76.	5.2	46
141	Mechanical and shape memory properties of Ni ₄₃ Co ₇ Mn ₃₉ Sn ₁₁ alloy compacts fabricated by pressureless sintering. Scripta Materialia, 2010, 63, 1236-1239.	5.2	16
142	Soft x-ray magnetic circular dichroism of L ₂ -type Co ₂ FeGa Heusler alloy. Journal Physics D: Applied Physics, 2010, 43, 105001.	2.8	8
143	Magnetic properties of the half-metallic Heusler alloys $Co_2MnCo_{99}Al_{1}$ pressure. Physical Review B, 2010, 82, .	3.2	99
144	Concentration dependence of magnetic moment in Ni _{50-x} CoxMn _{50-y} Zyâ€ (Z=In,Sn) Heusler alloys. Applied Physics Letters, 2010, 97, .	3.3	69

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145	Powder neutron diffraction studies for the L21 phase of Co ₂ YGa (Y=Ti, V, Cr, Mn and Fe) Heusler alloys. Journal of Alloys and Compounds, 2010, 499, 1-6.	5.5	65
146	Magnetic properties of Mn-rich Pd ₂ MnSn Heusler alloys. Journal of Alloys and Compounds, 2010, 505, 29-33.	5.5	14
147	Martensitic transformation and magnetic field-induced strain in Fe ₂ MnGa shape memory alloy. Applied Physics Letters, 2009, 95, .	3.3	103
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