

Eduard Cesari

List of Publications by Year in descending order

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221
papers

6,574
citations

70961

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docs citations

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times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of martensitic phases in Ni-Mn-Ga shape memory alloys. <i>Acta Materialia</i> , 2000, 48, 3027-3038.	3.8	601
2	The development of new ferromagnetic shape memory alloys in Ni-Mn-Ga system. <i>Scripta Metallurgica Et Materialia</i> , 1995, 33, 1239-1244.	1.0	490
3	Sequence of martensitic transformations in Ni-Mn-Ga alloys. <i>Physical Review B</i> , 1998, 57, 2659-2662.	1.1	215
4	Premartensitic phenomena and other phase transformations in Ni-Mn-Ga alloys studied by dynamical mechanical analysis and electron diffraction. <i>Acta Materialia</i> , 2002, 50, 53-60.	3.8	192
5	Anomalies related to the TA ₂ -phonon-mode condensation in the Heusler Ni ₂ MnGa alloy. <i>Physical Review B</i> , 1997, 55, 11068-11071.	1.1	158
6	Superelasticity in high-temperature Ni-Mn-Ga alloys. <i>Journal of Applied Physics</i> , 2003, 93, 2394-2399.	1.1	140
7	Entropy change and effect of magnetic field on martensitic transformation in a metamagnetic Ni-Co-Mn-In shape memory alloy. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	123
8	Ferromagnetic shape memory alloys: Alternatives to Ni-Mn-Ga. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 57-65.	2.6	119
9	Low temperature-induced intermartensitic phase transformations in Ni-Mn-Ga single crystal. <i>Acta Materialia</i> , 2005, 53, 111-120.	3.8	106
10	Transformation behaviour and martensite stabilization in the ferromagnetic Co-Ni-Ga Heusler alloy. <i>Scripta Materialia</i> , 2004, 50, 225-229.	2.6	92
11	Long-period martensitic structures of Ni-Mn-Ga alloys studied by high-resolution transmission electron microscopy. <i>Journal of Applied Physics</i> , 2005, 97, 083516.	1.1	84
12	Entropy change linked to the martensitic transformation in metamagnetic shape memory alloys. <i>Acta Materialia</i> , 2012, 60, 3168-3175.	3.8	83
13	Phase Transformations in Rapidly Quenched Ni-Mn-Ga Alloys. <i>Journal of Materials Research</i> , 2000, 15, 1496-1504.	1.2	81
14	Effect of atomic order on the martensitic transformation of Ni-Fe-Ga alloys. <i>Scripta Materialia</i> , 2006, 54, 1985-1989.	2.6	79
15	Internal friction associated with the structural phase transformations in Ni-Mn-Ga alloys. <i>Acta Materialia</i> , 1997, 45, 999-1004.	3.8	77
16	Pre-martensitic state in Ni - Mn - Ga alloys. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 6457-6463.	0.7	76
17	Stabilisation of martensite by applying compressive stress in Cu-Al-Ni single crystals. <i>Acta Materialia</i> , 2001, 49, 4221-4230.	3.8	71
18	Entropy change linked to the magnetic field induced martensitic transformation in a Ni-Mn-In-Co shape memory alloy. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	69

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19	Stress-temperature phase diagram of a ferromagnetic Ni-Mn-Ga shape memory alloy. <i>Acta Materialia</i> , 2005, 53, 5071-5077.	3.8	65
20	Effect of oriented λ precipitates on shape memory effect and superelasticity in Co-Ni-Ga single crystals. <i>Acta Materialia</i> , 2014, 68, 127-139.	3.8	58
21	Internal friction behaviour of Ni-Mn-Ga. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 370, 481-484.	2.6	56
22	Transformation and ageing behaviour of melt-spun Ni-Mn-Ga shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 273-275, 315-319.	2.6	55
23	Pinning-induced stabilization of martensite. <i>Acta Materialia</i> , 2004, 52, 3083-3096.	3.8	54
24	Microstructure and martensite transformation in aged Ti-25Ni-25Cu shape memory melt spun ribbons. <i>Journal of Materials Science</i> , 2002, 37, 5319-5325.	1.7	53
25	Effect of ageing on the martensitic transformation of Ni-Fe-Ga alloys. <i>Scripta Materialia</i> , 2006, 54, 1105-1109.	2.6	53
26	Electron microscopy study of dislocations associated with thermal cycling in a Cu-Zn-Al shape memory alloy. <i>Acta Metallurgica Et Materialia</i> , 1990, 38, 2733-2740.	1.9	52
27	Isothermal martensitic transformation in metamagnetic shape memory alloys. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	52
28	Thermoelastic martensitic transformations in single crystals with disperse particles. <i>Russian Physics Journal</i> , 2012, 54, 937-950.	0.2	52
29	Magnetic influence on the martensitic transformation entropy in Ni-Mn-In metamagnetic alloy. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	52
30	Thermomechanical cycling in Cu-Al-Ni-based melt-spun shape-memory ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 354, 207-211.	2.6	50
31	Shape memory properties of Ni-Ti based melt-spun ribbons. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 761-770.	1.1	50
32	Effect of atomic ordering on the phase transformations in Ni-Mn-Ga shape memory alloys. <i>Acta Materialia</i> , 2007, 55, 1649-1655.	3.8	50
33	Martensitic transformation and magnetic field induced effects in Ni ₄₂ Co ₈ Mn ₃₉ Sn ₁₁ metamagnetic shape memory alloy. <i>Acta Materialia</i> , 2016, 109, 170-176.	3.8	50
34	High-temperature superelasticity in CoNiGa, CoNiAl, NiFeGa, and TiNi monocystals. <i>Russian Physics Journal</i> , 2008, 51, 1016-1036.	0.2	49
35	Isothermal and athermal martensitic transformations in Ni-Ti shape memory alloys. <i>Acta Materialia</i> , 2012, 60, 2578-2592.	3.8	49
36	Chemical and mechanical stabilization of martensite. <i>Acta Materialia</i> , 2004, 52, 4547-4559.	3.8	48

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37	Poly(butylene terephthalate) poly(ethylene terephthalate) mixtures formed by ball milling. <i>Materials Research Bulletin</i> , 1999, 34, 157-165.	2.7	47
38	Martensite stabilization in a high temperature Ni-Mn-Ga alloy. <i>Scripta Materialia</i> , 2005, 53, 315-318.	2.6	47
39	Magnetocaloric effect in Ni-Fe-Ga shape memory alloys. <i>Applied Physics Letters</i> , 2006, 88, 132503.	1.5	47
40	New Aspects of Structural and Magnetic Behaviour of Martensites in Ni-Mn-Ga Alloys. <i>Materials Transactions</i> , 2002, 43, 856-860.	0.4	45
41	The lattice parameter of β -bronzes as a function of solute content: application to archaeological materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 393, 147-156.	2.6	44
42	Amorphization of organic compounds by ball milling. <i>Materials Research Bulletin</i> , 1997, 32, 1691-1696.	2.7	42
43	Thermal stability of high-temperature Ni-Mn-Ga alloys. <i>Scripta Materialia</i> , 2008, 58, 259-262.	2.6	38
44	Enthalpy of solution of KCl and NaCl in water at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1984, 16, 1195-1202.	1.0	36
45	Martensite stabilisation in Ni ₅₀ Ti _{32.2} Hf _{17.7} . <i>Scripta Materialia</i> , 1999, 41, 867-872.	2.6	36
46	Influence of martensite stabilization on the low-temperature non-linear anelasticity in Cu-Zn-Al shape memory alloys. <i>Acta Materialia</i> , 2002, 50, 3023-3044.	3.8	36
47	Pinning-induced stabilization of martensite. <i>Acta Materialia</i> , 2004, 52, 3075-3081.	3.8	36
48	Magnetic field induced martensitic transformation linked to the arrested austenite in a Ni-Mn-In-Co shape memory alloy. <i>Journal of Applied Physics</i> , 2011, 109, 093515.	1.1	36
49	Magnetic properties of a rapidly quenched Ni-Mn-Ga shape memory alloy. <i>Sensors and Actuators A: Physical</i> , 2006, 129, 163-166.	2.0	35
50	HREM study of different martensitic phases in Ni-Mn-Ga alloys. <i>Materials Chemistry and Physics</i> , 2003, 81, 457-459.	2.0	34
51	Structure of the layered martensitic phases of Ni-Mn-Ga alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 931-934.	2.6	34
52	Lattice dynamics and external magnetic-field effects in Ni-Fe-Ga alloys. <i>Physical Review B</i> , 2009, 80, .	1.1	34
53	Thermal and microstructural evolution under ageing of several high-temperature Ni-Mn-Ga alloys. <i>Intermetallics</i> , 2010, 18, 977-983.	1.8	34
54	Recent progress in numerical methods for the determination of thermokinetics. <i>Journal of Theoretical Biology</i> , 1981, 20, 47-59.	0.8	33

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55	Transformation Volume Effects on Shape Memory Alloys. <i>Metals</i> , 2013, 3, 237-282.	1.0	33
56	Martensitic transformation in ferromagnets: experiment and theory. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 859-860.	1.0	32
57	Magnetic properties of the martensitic phase in Ni-Mn-In-Co metamagnetic shape memory alloys. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	32
58	Room temperature magneto-structural transition in Al for Sn substituted Ni-Mn-Sn melt spun ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 348, 8-16.	1.0	32
59	Structural anelasticity, elasticity and broken ergodicity in Ni-Ti shape memory alloys. <i>Acta Materialia</i> , 2014, 73, 275-286.	3.8	32
60	Composition and atomic order effects on the structural and magnetic transformations in ferromagnetic Ni-Co-Mn-Ga shape memory alloys. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	31
61	Martensitic transformation in a ferromagnetic Co-Ni-Ga single crystal. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 378, 357-360.	2.6	30
62	Thermal characteristics of Ni-Fe-Ga-Mn and Ni-Fe-Ga-Co ferromagnetic shape memory alloys. <i>Intermetallics</i> , 2008, 16, 751-757.	1.8	30
63	Effect of L^3 precipitates on the martensitic transformation of L^2 Cu-Zn-Al studied by calorimetry. <i>Scripta Metallurgica</i> , 1989, 23, 579-583.	1.2	29
64	Long-Range Atomic Order and Entropy Change at the Martensitic Transformation in a Ni-Mn-In-Co Metamagnetic Shape Memory Alloy. <i>Entropy</i> , 2014, 16, 2756-2767.	1.1	28
65	Isothermal and athermal martensitic transformations in the B2-B19' sequence in Ni-Ti shape memory alloys. <i>Scripta Materialia</i> , 2010, 63, 1240-1243.	2.6	27
66	Influence of L^3 nanometric particles on martensitic transformation and twinning structure of L10 martensite in Co-Ni-Ga ferromagnetic shape memory single crystals. <i>Intermetallics</i> , 2013, 35, 60-66.	1.8	27
67	Athermal stabilization of Cu-Al-Be L^2 martensite due to plastic deformation and heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 373, 328-338.	2.6	26
68	Martensitic transformation in Ni-Fe-Ga alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 478, 125-129.	2.6	26
69	Effect of heat treatment on magnetostructural transformations and exchange bias in Heusler Ni ₄₈ Mn _{39.5} Sn _{9.5} Al ₃ ribbons. <i>Acta Materialia</i> , 2016, 103, 30-45.	3.8	26
70	Stress-temperature relationship in Cu-Al-Ni single crystals in compression mode. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 378, 222-226.	2.6	25
71	Intermartensitic phase transformations in Ni-Mn-Ga studied under magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 871-873.	1.0	25
72	Some features of Ni-Fe-Ga shape memory alloys under compression. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 816-819.	1.0	24

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73	Atomic order and martensitic transformation entropy change in Ni-Co-Mn-In metamagnetic shape memory alloys. Scripta Materialia, 2016, 110, 61-64.	2.6	24
74	Two way memory effect due to stabilized martensite. Scripta Metallurgica, 1988, 22, 261-264.	1.2	23
75	On the microstructural characteristics of non-equilibrium β^3 precipitates in Cu-Zn-Al alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 129, 127-133.	2.6	23
76	Stress-strain behaviour of Ni-Mn-Ga alloys: experiment and modelling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 349-352.	2.6	23
77	Vibrational and magnetic contributions to the entropy change associated with the martensitic transformation of Ni-Fe-Ga ferromagnetic shape memory alloys. Journal of Physics Condensed Matter, 2010, 22, 416001.	0.7	23
78	Orientation and temperature dependence of superelasticity caused by reversible β^3 - β^2 martensitic transformations in FeNiCoAlTa single crystals. Technical Physics Letters, 2011, 37, 487-490.	0.2	23
79	Martensitic transformation cycling in a β^2 Cu-Zn-Al alloy containing β^3 -precipitates. Acta Metallurgica Et Materialia, 1993, 41, 2547-2555.	1.9	22
80	Magnetostructural transition and magnetocaloric effect in highly textured Ni-Mn-Sn alloy. Journal of Applied Physics, 2016, 119, .	1.1	22
81	Effect of Magnetic Field on Phase Transformations in MnAs and Ni ₂ MnGa Compounds. Materials Transactions, JIM, 2000, 41, 928-932.	0.9	20
82	Stabilization and hyperstabilization of Cu-Al-Be β^2 martensite by thermal treatment and plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 283-288.	2.6	20
83	Shape memory thin round wires produced by the in rotating water melt-spinning technique. Acta Materialia, 2006, 54, 1877-1885.	3.8	20
84	Effect of precipitates on the stress-strain behavior under compression in polycrystalline Ni-Fe-Ga alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 101-104.	2.6	20
85	Entropy Changes in Ferromagnetic Shape Memory Alloys. Materials Science Forum, 0, 684, 49-60.	0.3	20
86	Effect of ageing on the structural and magnetic transformations and the related entropy change in a Ni-Co-Mn-Ga ferromagnetic shape memory alloy. Intermetallics, 2011, 19, 721-725.	1.8	20
87	On the effect of room temperature ageing of Ni-rich Ni-Ti alloys. Scripta Materialia, 2015, 103, 10-13.	2.6	20
88	Giant direct and inverse magnetocaloric effect linked to the same forward martensitic transformation. Scientific Reports, 2017, 7, 13328.	1.6	20
89	Thermogenesis: Identification by means of pade approximants. Thermochemica Acta, 1983, 70, 113-122.	1.2	19
90	Systematic study of the martensitic transformation in a Cu-Zn-Al alloy. Reproducibility of the thermal energy results and cycling effects. Thermochemica Acta, 1986, 106, 209-217.	1.2	19

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91	The enthalpy change of the hcp \rightarrow fcc martensitic transformation in Fe \rightarrow Mn alloys: composition dependence and effects of thermal cycling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 335, 137-146.	2.6	19
92	Entropy change of martensitic transformation in ferromagnetic shape memory alloys. <i>Acta Materialia</i> , 2013, 61, 1764-1772.	3.8	19
93	Isothermal B2 \rightarrow B19' martensitic transformation in Ti-rich Ni \rightarrow Ti shape memory alloy. <i>Scripta Materialia</i> , 2014, 74, 64-67.	2.6	19
94	Thermal stability and microstructure of Ni \rightarrow Mn \rightarrow Ga \rightarrow Cu high temperature shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2015, 648, 903-911.	2.8	19
95	Martensitic transformation differences on poly and single β -Cu-Zn-Al crystals. <i>Materials Research Bulletin</i> , 1988, 23, 1585-1590.	2.7	18
96	Phenomenological Modelling of the Hysteresis Loop in Thermoelastic Martensitic Transformations. <i>Materials Transactions, JIM</i> , 1992, 33, 650-658.	0.9	18
97	Characteristics of the martensitic transformation and the induced two-way shape memory effect after training by compressive pseudoelastic cycling in Cu-Zn-Al single crystals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1994, 25, 687-695.	1.1	18
98	Cold-crystallization of Poly(ether-ether-ketone) amorphized by ball milling. <i>Materials Research Bulletin</i> , 2001, 36, 1665-1673.	2.7	18
99	On the instantaneous stabilization in Cu \rightarrow Al \rightarrow Be β 1 martensite. <i>Scripta Materialia</i> , 2004, 50, 219-224.	2.6	18
100	Thermogenesis: Response given by calorimeters whose physical parameters change in time. <i>Thermochimica Acta</i> , 1983, 63, 341-350.	1.2	17
101	Calorimetric study of the influence of thermal cycling on the martensitic transformation of Cu-Zn-Al alloys. <i>Journal Physics D: Applied Physics</i> , 1989, 22, 1712-1720.	1.3	17
102	Magnetization anomalies in melt-spun Ni \rightarrow Mn \rightarrow Ga ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1063-1067.	1.0	17
103	Magnetic field and atomic order effect on the martensitic transformation of a metamagnetic alloy. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 484005.	0.7	17
104	Thermoelastic β -martensitic transformations in FeNiCoAlTa aging single crystals. <i>Russian Physics Journal</i> , 2011, 53, 1103-1106.	0.2	16
105	Effect of magnetic field on the isothermal transformation of a Ni \rightarrow Mn \rightarrow In \rightarrow Co magnetic shape memory alloy. <i>Intermetallics</i> , 2012, 28, 144-148.	1.8	16
106	Thermogenesis: Relative kinetic limits. <i>Thermochimica Acta</i> , 1982, 53, 29-37.	1.2	15
107	Characterization of a hot-rolled Cu \rightarrow Al \rightarrow Ni \rightarrow Ti shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 273-275, 625-629.	2.6	15
108	Mechanomagnetic spectroscopy of phase transitions in ferromagnetic shape memory alloys. <i>Applied Physics Letters</i> , 2006, 89, 061917.	1.5	15

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109	Thermogenesis: Harmonic analysis and universal transference function. Thermochemica Acta, 1981, 48, 367-374.	1.2	14
110	Effect of ageing in Ni-Fe-Ga ferromagnetic shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 919-922.	2.6	14
111	Thermal stability and ordering effects in Ni-Fe-Ga ferromagnetic shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 481-482, 262-265.	2.6	14
112	EFFECT OF AGING UNDER COMPRESSIVE STRESS ALONG [100] IN Co-Ni-Ga SINGLE CRYSTALS. Functional Materials Letters, 2009, 02, 83-86.	0.7	14
113	Direct evidence of the magnetoelastic interaction in Ni ₂ MnGa magnetic shape memory system. Applied Physics Letters, 2013, 102, .	1.5	14
114	Superelastic behavior of a metamagnetic Ni-Mn-Sn single crystal. Journal of Materials Science, 2018, 53, 10383-10395.	1.7	14
115	Superelastic behavior and elastocaloric effect in a Ni _{51.5} Fe _{21.5} Ga _{27.0} ferromagnetic shape memory single crystal under compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 833, 142362.	2.6	14
116	Calorimetric study of martensitic transformation thermal cycling in a β_2 -Cu _{1-x} Zn _x -Al alloy with β_3 -precipitates. Materials Letters, 1990, 9, 542-546.	1.3	13
117	Thin films of ferromagnetic shape memory alloys processed by laser beam ablation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 443-447.	2.6	13
118	Low-temperature-induced intermartensitic phase transformations in Ni-Mn-Ga single crystal. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 811-815.	1.0	13
119	Contributions to the Transformation Entropy Change and Influencing Factors in Metamagnetic Ni-Co-Mn-Ga Shape Memory Alloys. Entropy, 2014, 16, 5560-5574.	1.1	13
120	Effect of Thermal Treatments on Ni-Mn-Ga and Ni-Rich Ni-Ti-Hf/Zr High-Temperature Shape Memory Alloys. Shape Memory and Superelasticity, 2015, 1, 418-428.	1.1	13
121	Tuning magneto-structural properties of Ni ₄₄ Co ₆ Mn ₃₉ Sn ₁₁ Heusler alloy ribbons by Fe-doping. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 209, 23-29.	1.7	13
122	Thermogenesis: experimental approach to a reduced transference function. Thermochemica Acta, 1980, 40, 269-274.	1.2	12
123	Preparation of molecular alloys by the ball-milling technique. Journal of Materials Research, 1996, 11, 1069-1071.	1.2	12
124	Thermal cycling effects in high temperature Cu-Al-Ni-Mn-B shape memory alloys. Journal of Materials Research, 1997, 12, 2288-2297.	1.2	12
125	Stress-Temperature Relationship in Compression Mode in Cu-Al-Ni Shape Memory Alloys. Materials Transactions, 2004, 45, 1679-1683.	0.4	12
126	ac technique applied to cp measurements in Ni-Mn-Ga alloys. Thermochemica Acta, 2005, 433, 153-156.	1.2	12

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127	High temperature atomic rearrangements in melt-spun Ni ²⁺ Mn ²⁺ Ga ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 927-930.	2.6	12
128	Microstructure changes in two phase $\hat{1}^2 + \hat{1}^3$ Co-Ni-Al ferromagnetic shape memory alloys in relation to Al/Co ratio. <i>European Physical Journal: Special Topics</i> , 2008, 158, 137-142.	1.2	12
129	Magnetic-field-induced strain assisted by tensile stress in L10 martensite of a Ni ²⁺ Fe ²⁺ Ga ²⁺ Co alloy. <i>Applied Physics Letters</i> , 2008, 93, 152503.	1.5	12
130	Outstanding role of the magnetic entropy in arrested austenite in an ordered Ni ₄₅ Mn _{36.7} In _{13.3} Co ₅ metamagnetic shape memory alloy. <i>Scripta Materialia</i> , 2019, 168, 91-95.	2.6	12
131	Optimizing the Caloric Properties of Cu-Doped Ni ²⁺ Mn ²⁺ Ga Alloys. <i>Materials</i> , 2020, 13, 419.	1.3	12
132	Stabilisation of Martensite in Copper Based Shape Memory Alloys. <i>European Physical Journal Special Topics</i> , 1995, 05, C2-143-C2-152.	0.2	11
133	An experimental study of the partial transformation cycling of shape-memory alloys. <i>Scripta Materialia</i> , 1996, 34, 1549-1554.	2.6	11
134	Stress-induced Martensitic Transformation and Superelasticity of Alloys: Experiment and Theory. <i>Materials Transactions</i> , 2005, 46, 790-797.	0.4	11
135	Stress-induced magnetization in polycrystalline Ni ²⁺ Fe ²⁺ Ga ferromagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2007, 91, 141907.	1.5	11
136	Defect-assisted diffusion and kinetic stabilisation in Cu ²⁺ Al ²⁺ Be martensite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 532-537.	2.6	11
137	Magnetic anomaly in Ni _{51.5} Fe _{21.5} Ga ₂₇ single crystalline ferromagnetic shape memory alloy studied by ac impedance measurements. <i>Journal of Applied Physics</i> , 2009, 105, 073519.	1.1	11
138	Microstructure of ball milled and compacted Co ²⁺ Ni ²⁺ Al alloys from the $\hat{1}^2$ range. <i>Journal of Microscopy</i> , 2009, 236, 143-148.	0.8	11
139	Acoustic emission amplitude distribution during the martensitic transformation of Cu-Zn-Al alloys. <i>Journal Physics D: Applied Physics</i> , 1989, 22, 977-982.	1.3	10
140	Calorimetric measurements applied to fatigue in martensitic transformations. <i>Scripta Metallurgica</i> , 1989, 23, 371-376.	1.2	10
141	On the inhibition of stabilisation of martensite in Cu-Zn-Al alloys. <i>Scripta Metallurgica Et Materialia</i> , 1993, 28, 779-784.	1.0	10
142	Thermal and Magnetic Properties of Stress-Induced Martensites in Ni-Mn-Ga Alloys. <i>European Physical Journal Special Topics</i> , 1995, 05, C2-95-C2-98.	0.2	10
143	Solid-state mechanical alloying of plastic crystals. <i>Journal of Materials Research</i> , 1997, 12, 3254-3259.	1.2	10
144	Effects of Thermal Ageing in $\hat{1}^2$ -Phase in Cu-Al-Ni Single Crystals. <i>European Physical Journal Special Topics</i> , 1997, 07, C5-323-C5-328.	0.2	10

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145	Binary mixtures of semicrystalline/noncrystalline polymers formed by ball milling. <i>Materials Research Bulletin</i> , 1999, 34, 2221-2230.	2.7	10
146	Effect of off-stoichiometry on the mobility of point-like defects and damping in binary Cu-Al martensites. <i>Acta Materialia</i> , 2006, 54, 2075-2085.	3.8	10
147	Experimental and theoretical study of mechanical stabilization of martensite in Cu-Al-Ni single crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 730-733.	2.6	10
148	Instrumented tensile-impact test method for shape memory alloy wires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 524, 108-111.	2.6	10
149	Effect of orientation on the high-temperature superelasticity in Co ₄₉ Ni ₂₁ Ga ₃₀ single crystals. <i>Technical Physics Letters</i> , 2009, 35, 186-189.	0.2	10
150	Peculiarities of magnetoelastic coupling in Ni-Fe-Ga-Co ferromagnetic martensite. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 175002.	1.3	10
151	Relaxation effects in magnetic-field-induced martensitic transformation of an Ni-Mn-In-Co alloy. <i>Acta Materialia</i> , 2014, 71, 117-125.	3.8	10
152	Magnetic properties of martensite in metamagnetic Ni-Co-Mn-Ga alloys. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 165007.	1.3	10
153	Calorimetry of Cu-Zn-Al single crystals during pseudoelastic transformation. <i>Journal of Materials Science Letters</i> , 1989, 8, 191-193.	0.5	9
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