

# Eduard Cesari

## List of Publications by Year in descending order

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221  
papers

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70961

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times ranked

2344  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ductility and Shape-Memory Properties of Ni <sub>50</sub> Mn <sub>45</sub> Ga <sub>5</sub> Cu Heusler Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 359.	1.1	1
2	Superelastic behavior and elastocaloric effect in a Ni <sub>51.5</sub> Fe <sub>21.5</sub> Ga <sub>27.0</sub> ferromagnetic shape memory single crystal under compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 833, 142362.	2.6	14
3	Two-way shape memory effect in Ni <sub>49</sub> Fe <sub>18</sub> Ga <sub>27</sub> Co <sub>6</sub> ferromagnetic shape memory single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140543.	2.6	8
4	Superelastic Behavior of Ti-Nb Alloys Obtained by the Laser Engineered Net Shaping (LENS) Technique. Materials, 2020, 13, 2827.	1.3	9
5	Influence of Structural Defects on the Properties of Metamagnetic Shape Memory Alloys. Metals, 2020, 10, 1131.	1.0	6
6	Optimizing the Caloric Properties of Cu-Doped Ni <sub>50</sub> Mn <sub>45</sub> Ga Alloys. Materials, 2020, 13, 419.	1.3	12
7	Experimental Observation of Vacancy-assisted Martensitic Transformation Shift in Ni-Fe-Ga Alloys. Physical Review Letters, 2019, 122, 165701.	2.9	8
8	Outstanding role of the magnetic entropy in arrested austenite in an ordered Ni <sub>45</sub> Mn <sub>36.7</sub> In <sub>13.3</sub> Co <sub>5</sub> metamagnetic shape memory alloy. Scripta Materialia, 2019, 168, 91-95.	2.6	12
9	Routes for enhanced magnetism in Ni-Mn-In metamagnetic shape memory alloys. Scripta Materialia, 2019, 167, 21-25.	2.6	8
10	Magnetocaloric Effect Caused by Paramagnetic Austenite $\leftrightarrow$ Ferromagnetic Martensite Phase Transformation. Metals, 2019, 9, 11.	1.0	9
11	Superelastic behavior of a metamagnetic Ni <sub>50</sub> Mn <sub>45</sub> Sn single crystal. Journal of Materials Science, 2018, 53, 10383-10395.	1.7	14
12	Magneto $\leftrightarrow$ Structural Properties of Multielement Ni <sub>50</sub> Cu <sub>45</sub> Co <sub>5</sub> Mn <sub>45</sub> Sn Heusler Bulk Alloys. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800358.	0.8	1
13	Magnetic structure of martensite in Ni <sub>50</sub> Mn <sub>45</sub> Ga <sub>5</sub> Co alloys. Functional Materials Letters, 2017, 10, 1740009.	0.7	2
14	Twinning in Ni <sub>50</sub> Fe <sub>45</sub> Ga <sub>5</sub> Co shape memory alloy: Temperature scaling beyond the Seeger model. Scripta Materialia, 2017, 134, 24-27.	2.6	8
15	Giant direct and inverse magnetocaloric effect linked to the same forward martensitic transformation. Scientific Reports, 2017, 7, 13328.	1.6	20
16	Entropy Change Caused by Martensitic Transformations of Ferromagnetic Shape Memory Alloys. Metals, 2017, 7, 509.	1.0	1
17	Effect of Hydrogen on the Elastic and Anelastic Properties of the R Phase in Ti <sub>50</sub> Ni <sub>46.1</sub> Fe <sub>3.9</sub> Alloy. Metals, 2017, 7, 493.	1.0	3
18	On the Effect of Hydrogen on the Low-Temperature Elastic and Anelastic Properties of Ni-Ti-Based Alloys. Materials, 2017, 10, 1174.	1.3	7

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19	Magnetostructural transition and magnetocaloric effect in highly textured Ni-Mn-Sn alloy. Journal of Applied Physics, 2016, 119, .	1.1	22
20	Magnetic properties of martensite in metamagnetic Ni-Co-Mn-Ga alloys. Journal Physics D: Applied Physics, 2016, 49, 165007.	1.3	10
21	Effect of heat treatment on magnetostructural transformations and exchange bias in Heusler Ni <sub>48</sub> Mn <sub>39.5</sub> Sn <sub>9.5</sub> Al <sub>3</sub> ribbons. Acta Materialia, 2016, 103, 30-45.	3.8	26
22	Tuning magneto-structural properties of Ni <sub>44</sub> Co <sub>6</sub> Mn <sub>39</sub> Sn <sub>11</sub> Heusler alloy ribbons by Fe-doping. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 209, 23-29.	1.7	13
23	Magnetically driven magnetostructural transformations of shape memory alloys. Journal Physics D: Applied Physics, 2016, 49, 095002.	1.3	5
24	Martensitic transformation and magnetic field induced effects in Ni <sub>42</sub> Co <sub>8</sub> Mn <sub>39</sub> Sn <sub>11</sub> metamagnetic shape memory alloy. Acta Materialia, 2016, 109, 170-176.	3.8	50
25	Study of magnetic transitions in Dy by means of reversible Villari effect. Journal Physics D: Applied Physics, 2016, 49, 015001.	1.3	6
26	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
27	Influence of volume magnetostriction on the thermodynamic properties of Ni-Mn-Ga shape memory alloys. Journal of Applied Physics, 2015, 118, .	1.1	6
28	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
29	Low-frequency Elastic and Thermomechanical Analysis of Ni-Mn-In(Co) Single Crystals. Materials Today: Proceedings, 2015, 2, S871-S874.	0.9	1
30	Thermal stability and microstructure of Ni-Mn-Ga-Cu high temperature shape memory alloys. Journal of Alloys and Compounds, 2015, 648, 903-911.	2.8	19
31	On the effect of room temperature ageing of Ni-rich Ni-Ti alloys. Scripta Materialia, 2015, 103, 10-13.	2.6	20
32	Microstructure and martensitic transformation in Ni <sub>48</sub> Mn <sub>39.5</sub> Sn <sub>12.5</sub> x Si x metamagnetic Heusler alloy ribbons. International Journal of Materials Research, 2015, 106, 711-718.	0.1	1
33	Long-Range Atomic Order and Entropy Change at the Martensitic Transformation in a Ni-Mn-In-Co Metamagnetic Shape Memory Alloy. Entropy, 2014, 16, 2756-2767.	1.1	28
34	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
35	Effect of oriented Î³ precipitates on shape memory effect and superelasticity in Co-Ni-Ga single crystals. Acta Materialia, 2014, 68, 127-139.	3.8	58
36	Isothermal B <sub>2</sub> martensitic transformation in Ti-rich Ni-Ti shape memory alloy. Scripta Materialia, 2014, 74, 64-67.	2.6	19

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37	Relaxation effects in magnetic-field-induced martensitic transformation of an Ni-Mn-In-Co alloy. Acta Materialia, 2014, 71, 117-125.	3.8	10
38	Structural anelasticity, elasticity and broken ergodicity in Ni-Ti shape memory alloys. Acta Materialia, 2014, 73, 275-286.	3.8	32
39	Influence of $\text{TiO}_2$ nanometric particles on martensitic transformation and twinning structure of L10 martensite in Co-Ni-Ga ferromagnetic shape memory single crystals. Intermetallics, 2013, 35, 60-66.	1.8	27
40	Magnetic properties of the martensitic phase in Ni-Mn-In-Co metamagnetic shape memory alloys. Applied Physics Letters, 2013, 102, .	1.5	32
41	Direct evidence of the magnetoelastic interaction in Ni <sub>2</sub> MnGa magnetic shape memory system. Applied Physics Letters, 2013, 102, .	1.5	14
42	Entropy change of martensitic transformation in ferromagnetic shape memory alloys. Acta Materialia, 2013, 61, 1764-1772.	3.8	19
43	Magnetic influence on the martensitic transformation entropy in Ni-Mn-In metamagnetic alloy. Applied Physics Letters, 2013, 102, .	1.5	52
44	Room temperature magneto-structural transition in Al for Sn substituted Ni-Mn-Sn melt spun ribbons. Journal of Magnetism and Magnetic Materials, 2013, 348, 8-16.	1.0	32
45	Magnetic field and atomic order effect on the martensitic transformation of a metamagnetic alloy. Journal of Physics Condensed Matter, 2013, 25, 484005.	0.7	17
46	Transformation Volume Effects on Shape Memory Alloys. Metals, 2013, 3, 237-282.	1.0	33
47	Mechanical Spectroscopy of Hyperstabilized Martensites. Solid State Phenomena, 2012, 184, 355-360.	0.3	7
48	Composition and atomic order effects on the structural and magnetic transformations in ferromagnetic Ni-Co-Mn-Ga shape memory alloys. Journal of Applied Physics, 2012, 111, .	1.1	31
49	Magnetomechanical and Structural Internal Friction in Ni-Mn-In-Co Metamagnetic Shape Memory Alloy. Solid State Phenomena, 2012, 184, 372-377.	0.3	5
50	HYPERSTABILIZATION OF MARTENSITES. Functional Materials Letters, 2012, 05, 1250005.	0.7	8
51	Effect of magnetic field on the isothermal transformation of a Ni-Mn-In-Co magnetic shape memory alloy. Intermetallics, 2012, 28, 144-148.	1.8	16
52	Non-equilibrium martensitic transformation in metamagnetic shape memory alloys. Journal of Alloys and Compounds, 2012, 536, S277-S281.	2.8	9
53	Isothermal and athermal martensitic transformations in Ni-Ti shape memory alloys. Acta Materialia, 2012, 60, 2578-2592.	3.8	49
54	Entropy change linked to the martensitic transformation in metamagnetic shape memory alloys. Acta Materialia, 2012, 60, 3168-3175.	3.8	83

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55	Thermoelastic martensitic transformations in single crystals with disperse particles. Russian Physics Journal, 2012, 54, 937-950.	0.2	52
56	Magnetic field induced martensitic transformation linked to the arrested austenite in a Ni-Mn-In-Co shape memory alloy. Journal of Applied Physics, 2011, 109, 093515.	1.1	36
57	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
58	Orientation and temperature dependence of superelasticity caused by reversible $\beta$ - $\beta'$ martensitic transformations in FeNiCoAlTa single crystals. Technical Physics Letters, 2011, 37, 487-490.	0.2	23
59	Thermoelastic $\beta$ - $\beta'$ -martensitic transformations in FeNiCoAlTa aging single crystals. Russian Physics Journal, 2011, 53, 1103-1106.	0.2	16
60	Orientation dependence of superelasticity in ferromagnetic single crystals Co <sub>49</sub> Ni <sub>21</sub> Ga <sub>30</sub> . Physics of Metals and Metallography, 2010, 110, 78-90.	0.3	9
61	Isothermal and athermal martensitic transformations in the B2-B19' sequence in Ni-Ti shape memory alloys. Scripta Materialia, 2010, 63, 1240-1243.	2.6	27
62	Ageing effects on structural and magnetic transformations in a Ni-Co-Mn-Ga alloy. Physics Procedia, 2010, 10, 99-104.	1.2	2
63	Structure investigations of ferromagnetic Co-Ni-Al alloys obtained by powder metallurgy. Journal of Microscopy, 2010, 237, 374-378.	0.8	6
64	Isothermal martensitic transformation in metamagnetic shape memory alloys. Journal of Applied Physics, 2010, 107, .	1.1	52
65	Peculiarities of magnetoelastic coupling in Ni-Fe-Ga-Co ferromagnetic martensite. Journal Physics D: Applied Physics, 2010, 43, 175002.	1.3	10
66	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
67	Entropy change linked to the magnetic field induced martensitic transformation in a Ni-Mn-In-Co shape memory alloy. Journal of Applied Physics, 2010, 107, .	1.1	69
68	Thermal and microstructural evolution under ageing of several high-temperature Ni-Mn-Ga alloys. Intermetallics, 2010, 18, 977-983.	1.8	34
69	Lattice dynamics and external magnetic-field effects in Ni-Fe-Ga alloys. Physical Review B, 2009, 80, .	1.1	34
70	Entropy change and effect of magnetic field on martensitic transformation in a metamagnetic Ni-Co-Mn-In shape memory alloy. Applied Physics Letters, 2009, 94, .	1.5	123
71	Magnetic anomaly in Ni <sub>51.5</sub> Fe <sub>21.5</sub> Ga <sub>27</sub> single crystalline ferromagnetic shape memory alloy studied by ac impedance measurements. Journal of Applied Physics, 2009, 105, 073519.	1.1	11
72	EFFECT OF AGING UNDER COMPRESSIVE STRESS ALONG [100] IN Co-Ni-Ga SINGLE CRYSTALS. Functional Materials Letters, 2009, 02, 83-86.	0.7	14

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73	Mechanomagnetic spectroscopy of ferromagnetic shape memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 194-200.	2.6	8
74	Microstructure of ball milled and compacted Co-Ni-Al alloys from the $\hat{I}^2$ range. <i>Journal of Microscopy</i> , 2009, 236, 143-148.	0.8	11
75	Magnetomechanical damping in Ni-Fe-Ga poly and single crystals. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 201-204.	2.6	3
76	Instrumented tensile-impact test method for shape memory alloy wires. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 524, 108-111.	2.6	10
77	Mechanomagnetic spectroscopy of polycrystalline Ni-Fe-Ga-Co ferromagnetic shape memory alloy. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 1423-1426.	0.1	0
78	Effect of orientation on the high-temperature superelasticity in Co <sub>49</sub> Ni <sub>21</sub> Ga <sub>30</sub> single crystals. <i>Technical Physics Letters</i> , 2009, 35, 186-189.	0.2	10
79	High-temperature superelasticity in CoNiGa, CoNiAl, NiFeGa, and TiNi monocrystals. <i>Russian Physics Journal</i> , 2008, 51, 1016-1036.	0.2	49
80	Magnetization anomalies in melt-spun Ni-Mn-Ga ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1063-1067.	1.0	17
81	Enhancement of deformation of Ni-Mn-Ga martensite by dynamic loading. <i>Acta Materialia</i> , 2008, 56, 802-808.	3.8	3
82	Effect of precipitates on the stress-strain behavior under compression in polycrystalline Ni-Fe-Ga alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 101-104.	2.6	20
83	Magnetic behavior in Ni-Fe-Ga martensitic phase. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 318-321.	2.6	9
84	Defect-assisted diffusion and kinetic stabilisation in Cu-Al-Be martensite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 532-537.	2.6	11
85	Thermal stability and ordering effects in Ni-Fe-Ga ferromagnetic shape memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 262-265.	2.6	14
86	Glassy and liquid vortex matter dynamics in faulted martensites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 28-35.	2.6	3
87	Ferromagnetic shape memory alloys: Alternatives to Ni-Mn-Ga. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 57-65.	2.6	119
88	Martensitic transformation in Ni-Fe-Ga alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 478, 125-129.	2.6	26
89	Microstructure changes in two phase $\hat{I}^2 + \hat{I}^3$ 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
90	Thermal stability of high-temperature Ni-Mn-Ga alloys. <i>Scripta Materialia</i> , 2008, 58, 259-262.	2.6	38

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91	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
92	Magnetic-field-induced strain assisted by tensile stress in L10 martensite of a Ni-Fe-Ga-Co alloy. <i>Applied Physics Letters</i> , 2008, 93, 152503.	1.5	12
93	Stress-induced magnetization in polycrystalline Ni-Fe-Ga ferromagnetic shape memory alloy. <i>Applied Physics Letters</i> , 2007, 91, 141907.	1.5	11
94	Effect of L2<sub>1</sub> Ordering on the Martensitic and Intermartensitic Transformations in a Ni-Mn-Ga Shape Memory Alloy. <i>Solid State Phenomena</i> , 2007, 130, 127-134.	0.3	0
95	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
96	Magnetocaloric effect linked to structural and magnetic transitions in Ni-Fe-Ga alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e999-e1001.	1.0	4
97	Shape memory thin round wires produced by the in rotating water melt-spinning technique. <i>Acta Materialia</i> , 2006, 54, 1877-1885.	3.8	20
98	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
99	Mobility of point-like defects in Cu-Al martensites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 369-373.	2.6	6
100	Non-linear anelasticity of topological vortex matter in martensites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 442, 390-397.	2.6	7
101	Low-temperature behaviour of Ni-Fe-Ga shape-memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 923-926.	2.6	9
102	Effect of ageing in Ni-Fe-Ga ferromagnetic shape memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 919-922.	2.6	14
103	Thermodynamic reversibility and irreversibility of the reverse transformation in stabilized Cu-Zn-Al martensite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 768-772.	2.6	3
104	Structure of the layered martensitic phases of Ni-Mn-Ga alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 931-934.	2.6	34
105	Low-temperature relaxation in faulted Cu-based martensites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 432, 34-39.	2.6	2
106	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
107	Experimental and theoretical study of mechanical stabilization of martensite in Cu-Al-Ni single crystals. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 730-733.	2.6	10
108	High temperature atomic rearrangements in melt-spun Ni-Mn-Ga ribbons. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 927-930.	2.6	12

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109	Mechanical stabilisation and anomalous behaviour of the stress-strain loops in Cu-Al-Ni single crystals. Scripta Materialia, 2006, 54, 459-463.	2.6	9
110	Effect of ageing on the martensitic transformation of Ni-Fe-Ga alloys. Scripta Materialia, 2006, 54, 1105-1109.	2.6	53
111	Effect of atomic order on the martensitic transformation of Ni-Fe-Ga alloys. Scripta Materialia, 2006, 54, 1985-1989.	2.6	79
112	Magnetocaloric effect in Ni-Fe-Ga shape memory alloys. Applied Physics Letters, 2006, 88, 132503.	1.5	47
113	Mechanomagnetic spectroscopy of phase transitions in ferromagnetic shape memory alloys. Applied Physics Letters, 2006, 89, 061917.	1.5	15
114	Stress-induced Martensitic Transformation and Superelasticity of Alloys: Experiment and Theory. Materials Transactions, 2005, 46, 790-797.	0.4	11
115	Statistical Description of Mechanical Stabilization of Cu-Al-Ni Martensite. Materials Transactions, 2005, 46, 983-989.	0.4	5
116	Some features of Ni-Fe-Ga shape memory alloys under compression. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 816-819.	1.0	24
117	Intermartensitic phase transformations in Ni-Mn-Ga studied under magnetic field. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 871-873.	1.0	25
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	The lattice parameter of $\lambda$ -bronzes as a function of solute content: application to archaeological materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 393, 147-156.	2.6	44
120	ac technique applied to cp measurements in Ni-Mn-Ga alloys. Thermochemica Acta, 2005, 433, 153-156.	1.2	12
121	Low temperature-induced intermartensitic phase transformations in Ni-Mn-Ga single crystal. Acta Materialia, 2005, 53, 111-120.	3.8	106
122	Stress-temperature phase diagram of a ferromagnetic Ni-Mn-Ga shape memory alloy. Acta Materialia, 2005, 53, 5071-5077.	3.8	65
123	Martensite stabilization in a high temperature Ni-Mn-Ga alloy. Scripta Materialia, 2005, 53, 315-318.	2.6	47
124	Characterization of the martensitic transformation in melt-spun NiMnGa ribbons by magnetoinductive effect. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 826-828.	1.0	9
125	Long-period martensitic structures of Ni-Mn-Ga alloys studied by high-resolution transmission electron microscopy. Journal of Applied Physics, 2005, 97, 083516.	1.1	84
126	On the instantaneous stabilization in Cu-Al-Be $\lambda$ martensite. Scripta Materialia, 2004, 50, 219-224.	2.6	18



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127	Transformation behaviour and martensite stabilization in the ferromagnetic Co-Ni-Ga Heusler alloy. Scripta Materialia, 2004, 50, 225-229.	2.6	92
128	Stress-temperature relationship in Cu-Al-Ni single crystals in compression mode. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 222-226.	2.6	25
129	Athermal stabilization of Cu-Al-Be $\beta$ martensite due to plastic deformation and heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 373, 328-338.	2.6	26
130	Shape memory properties of Ni-Ti based melt-spun ribbons. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 761-770.	1.1	50
131	Internal friction behaviour of Ni-Mn-Ga. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 481-484.	2.6	56
132	Stabilization and hyperstabilization of Cu-Al-Be $\beta$ martensite by thermal treatment and plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 283-288.	2.6	20
133	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
134	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
135	Pinning-induced stabilization of martensite. Acta Materialia, 2004, 52, 3075-3081.	3.8	36
136	Pinning-induced stabilization of martensite. Acta Materialia, 2004, 52, 3083-3096.	3.8	54
137	Chemical and mechanical stabilization of martensite. Acta Materialia, 2004, 52, 4547-4559.	3.8	48
138	Martensitic transformation in a ferromagnetic Co-Ni-Ga single crystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 357-360.	2.6	30
139	Stress-Temperature Relationship in Compression Mode in Cu-Al-Ni Shape Memory Alloys. Materials Transactions, 2004, 45, 1679-1683.	0.4	12
140	Crystallization in Partially Amorphous Ni <sub>50</sub> Ti <sub>32</sub> Hf <sub>18</sub> Melt Spun Ribbon. Materials Transactions, 2004, 45, 1811-1818.	0.4	8
141	HREM study of different martensitic phases in Ni-Mn-Ga alloys. Materials Chemistry and Physics, 2003, 81, 457-459.	2.0	34
142	Thermomechanical cycling in Cu-Al-Ni-based melt-spun shape-memory ribbons. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 354, 207-211.	2.6	50
143	Superelasticity in high-temperature Ni-Mn-Ga alloys. Journal of Applied Physics, 2003, 93, 2394-2399.	1.1	140
144	Compressive stresses and stabilisation in Cu-Al-Ni single crystals. European Physical Journal Special Topics, 2003, 112, 541-544.	0.2	1

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145	Stress-strain " Temperature behaviour for martensitic transformation in Ni-Mn-Ga single crystal compressed along <math>\langle 001 \rangle</math> and <math>\langle 110 \rangle</math> axes. European Physical Journal Special Topics, 2003, 112, 939-942.	0.2	6
146	Mobility of quenched-in defects, non-linear anelasticity and stabilisation of martensite in copper-based alloys. European Physical Journal Special Topics, 2003, 112, 475-478.	0.2	7
147	Two-step martensitic transformation in Ni-Mn-Ga alloys. European Physical Journal Special Topics, 2003, 112, 903-906.	0.2	9
148	Time-dependent phenomena during martensite ageing of Cu-Al-Be shape memory alloy. European Physical Journal Special Topics, 2003, 112, 557-560.	0.2	2
149	New Aspects of Structural and Magnetic Behaviour of Martensites in Ni-Mn-Ga Alloys. Materials Transactions, 2002, 43, 856-860.	0.4	45
150	The enthalpy change of the hcp"fcc martensitic transformation in Fe"Mn alloys: composition dependence and effects of thermal cycling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 335, 137-146.	2.6	19
151	Premartensitic phenomena and other phase transformations in Ni"Mn"Ga alloys studied by dynamical mechanical analysis and electron diffraction. Acta Materialia, 2002, 50, 53-60.	3.8	192
152	Influence of martensite stabilization on the low-temperature non-linear anelasticity in Cu-Zn-Al shape memory alloys. Acta Materialia, 2002, 50, 3023-3044.	3.8	36
153	Microstructure and martensite transformation in aged Ti-25Ni-25Cu shape memory melt spun ribbons. Journal of Materials Science, 2002, 37, 5319-5325.	1.7	53
154	AGEING EFFECTS IN Ni-Ti BASED SHAPE MEMORY ALLOYS. , 2001, , .		3
155	Stabilisation of martensite by applying compressive stress in Cu-Al-Ni single crystals. Acta Materialia, 2001, 49, 4221-4230.	3.8	71
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