

Feng Chen

List of Publications by Year in descending order

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394286

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66
all docs

66
docs citations

66
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on porous NiMnGa alloy and its composite with epoxy resin. Journal of Alloys and Compounds, 2022, 892, 162248.	2.8	4
2	Two-way shape memory effect with excellent cycling stability in TiNiCuNb alloy. Materials Letters, 2022, 308, 131256.	1.3	2
3	Evolution of Ti ₃ Ni ₄ precipitates in Ti _{49.2} Ni _{50.8} alloy during equal channel angular pressing. Transactions of Nonferrous Metals Society of China, 2021, 31, 980-987.	1.7	5
4	Effects of Sc addition and aging on microstructure and martensitic transformation of Ni-rich NiTiHfSc high temperature shape memory alloys. Journal of Alloys and Compounds, 2020, 845, 156331.	2.8	7
5	Wide Structural and Magnetic Successive Transitions and Related Magnetocaloric Properties in a Directionally Solidified Polycrystalline Ni-Co-Mn-In Alloy. Shape Memory and Superelasticity, 2020, 6, 54-60.	1.1	3
6	Large magnetic entropy change and refrigeration capacity around room temperature in quinary Ni ₄₁ Co _{9-x} Fe _x Mn ₄₀ Sn ₁₀ alloys (x= 2.0 and 2.5). Journal of Alloys and Compounds, 2020, 825, 154053.	2.8	25
7	Ni-Co-Mn-Sn quaternary alloys: Magnetic hysteresis loss reduction and ductility enhancement by iron alloying. Journal of Magnetism and Magnetic Materials, 2019, 485, 351-357.	1.0	11
8	Effect of thermal treatment and ball milling on microstructure and phase transformation of Ni-Mn-Ga-Nb alloys. Transactions of Nonferrous Metals Society of China, 2019, 29, 2117-2127.	1.7	2
9	Microstructure and martensitic transformation of NiTiHfSc high temperature shape memory alloys. Journal of Alloys and Compounds, 2019, 779, 212-218.	2.8	17
10	High temperature martensitic transformation and giant magnetocaloric effect in Ni ₄₀ Co ₁₀ Mn ₄₁ Sn ₉ melt-spun ribbons. Journal of Alloys and Compounds, 2018, 744, 493-501.	2.8	13
11	Study of martensitic transformation in TiNiCuNb shape memory alloys using dynamic mechanical analysis. Vacuum, 2018, 155, 358-360.	1.6	12
12	Multiple-stage transformation behavior of Ti 49.2 Ni 50.8 alloy with different initial microstructure processed by equal channel angular pressing. Intermetallics, 2017, 85, 163-169.	1.8	19
13	Broad first-order magnetic entropy change curve in directionally solidified polycrystalline Ni-Co-Mn-In. Journal of Alloys and Compounds, 2017, 727, 603-609.	2.8	19
14	The effect of step-like martensitic transformation on the magnetic entropy change of Ni _{40.6} Co _{8.5} Mn _{40.9} Sn ₁₀ unidirectional crystal grown with the Bridgman-Stockbarger technique. Journal of Alloys and Compounds, 2017, 691, 269-274.	2.8	26
15	Influence of Nb content on martensitic transformation and mechanical properties of TiNiCuNb shape memory alloys. Intermetallics, 2016, 72, 30-35.	1.8	28
16	Martensitic Transformation and Its Thermal Cycling Stability in Ni ₅₆ Mn ₂₁ Cu ₄ Ga ₁₉ High-Temperature Shape Memory Ribbon. Acta Metallurgica Sinica (English Letters), 2015, 28, 243-248.	1.5	2
17	Microstructure and martensitic transformation of TiNiNbB shape memory alloys. Intermetallics, 2015, 64, 32-36.	1.8	6
18	Effect of aging and ball milling on the phase transformation of Ni ₅₀ Mn ₂₅ Ga ₁₇ Cu _{8-x} Zr _x alloys. Intermetallics, 2015, 58, 56-61.	1.8	5

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19	High damping capacity in a wide temperature range of a compositionally graded TiNi alloy prepared by electroplating and diffusion annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 623, 1-3.	2.6	16
20	Influence of annealing on martensitic transformation and magnetic entropy change in Ni _{37.7} Co _{12.7} Mn _{40.8} Sn _{8.8} magnetic shape memory alloy ribbon. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 137-141.	1.0	17
21	Magnetic field induced strain and damping behavior of Ni-Mn-Ga particles/epoxy resin composite. <i>Journal of Alloys and Compounds</i> , 2014, 604, 137-141.	2.8	21
22	Martensitic transformation and magnetic properties of Ti-doped NiCoMnSn shape memory alloy. <i>Rare Metals</i> , 2014, 33, 511-515.	3.6	22
23	Effect of aging on martensitic transformation and superelasticity of TiNiCr shape memory alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2598-2605.	1.7	4
24	Effect of Zr addition on the microstructure, phase transformation and mechanical property of Ni ₅₀ Mn ₂₅ Ga ₁₇ Cu ₈ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 617, 46-51.	2.6	8
25	Microstructure, phase transformation and mechanical property of Ni-Mn-Ga particles/Mg composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 615, 273-277.	2.6	18
26	Microstructure and martensitic transformation of an ultrafine-grained TiNiNb shape memory alloy processed by equal channel angular pressing. <i>Intermetallics</i> , 2014, 49, 81-86.	1.8	37
27	Microstructure and phase transformation of Ni ₄₆ Mn ₃₃ Ga ₁₇ Cu ₄ -xZr alloys. <i>Materials Letters</i> , 2014, 116, 307-310.	1.3	5
28	Fracture behavior and structural transition of Ni ₄₆ Mn ₃₃ Ga ₁₇ Cu ₄ -Zr alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 95-101.	2.6	6
29	Transformation hysteresis and shape memory effect of an ultrafine-grained TiNiNb shape memory alloy. <i>Intermetallics</i> , 2014, 54, 133-135.	1.8	20
30	Suppression of β phase in Ni ₃₈ Co ₁₂ Mn ₄₁ Sn ₉ alloy by melt spinning and its effect on martensitic transformation and magnetic properties. <i>Intermetallics</i> , 2013, 36, 81-85.	1.8	34
31	Magnetic-field-induced reverse transformation in a NiCoMnSn high temperature ferromagnetic shape memory alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 347, 72-74.	1.0	12
32	Superelasticity and its stability of an ultrafine-grained Ti _{49.2} Ni _{50.8} shape memory alloy processed by equal channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 587, 61-64.	2.6	24
33	MICROSTRUCTURE AND PHASE TRANSFORMATION OF Ni ₄₃ Co ₇ Mn ₄₁ Sn ₉ HIGH TEMPERATURE SHAPE MEMORY ALLOY RIBBON. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 49, 976.	0.3	1
34	Phase Transformation and Magnetic Property of Ni-Mn-Ga Powders Prepared by Dry Ball Milling. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2530-2534.	1.2	15
35	Martensitic Transformation and Shape Memory Effect of NiCoMnSn High Temperature Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2509-2514.	1.2	13
36	Effect of Aging Treatment on Superelasticity of a Ti _{48.8} Ni _{50.8} V _{0.4} Alloy. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2566-2571.	1.2	12

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37	Effect of Sn addition on the corrosion behavior of Ti-4Ta alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 259-263.	0.8	23
38	Thermal cycling stability of ultrafine-grained TiNi shape memory alloys processed by equal channel angular pressing. <i>Scripta Materialia</i> , 2012, 67, 1-4.	2.6	39
39	Two-way shape memory effect of TiNiSn alloys developed by martensitic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 550, 434-437.	2.6	10
40	Phase transition of Ni-Mn-Ga alloy powders prepared by vibration ball milling. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4563-4568.	2.8	33
41	Effect of graphite addition on martensitic transformation and damping behavior of NiTi shape memory alloy. <i>Materials Letters</i> , 2011, 65, 1073-1075.	1.3	17
42	Effect of aging on martensitic transformation behavior of Ti48.8Ni50.8V0.4 alloy. <i>Journal of Materials Science</i> , 2011, 46, 6432-6436.	1.7	8
43	Thermal arrest analysis of thermoelastic martensitic transformations in shape memory alloys. <i>Journal of Materials Research</i> , 2011, 26, 1243-1252.	1.2	4
44	Effect of pre-strain on martensitic transformation of Ni43Mn43Co7Sn7 high-temperature shape memory alloy. <i>Materials Letters</i> , 2010, 64, 1879-1882.	1.3	13
45	Time effect of martensitic transformation in Ni43Co7Mn41Sn9. <i>Intermetallics</i> , 2010, 18, 188-192.	1.8	25
46	The orientation dependence of transformation strain of Ni-Mn-Ga polycrystalline alloy and its composite with epoxy resin. <i>Journal of Alloys and Compounds</i> , 2010, 505, 680-684.	2.8	16
47	Bending properties of epoxy resin matrix composites filled with Ni-Mn-Ga ferromagnetic shape memory alloy powders. <i>Materials Letters</i> , 2009, 63, 1729-1732.	1.3	28
48	Microstructure and martensitic transformation of Ti49Ni51Hf high temperature shape memory alloys. <i>Materials Letters</i> , 2009, 63, 1869-1871.	1.3	57
49	Phase transformation of NiTi shape memory alloy powders prepared by ball milling. <i>Journal of Alloys and Compounds</i> , 2009, 477, 576-579.	2.8	5
50	Effect of Ce addition on the microstructure and damping properties of Cu-Al-Mn shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2009, 480, 608-611.	2.8	48
51	Structural transition and atomic ordering of Ni49.8Mn28.5Ga21.7 ferromagnetic shape memory alloy powders prepared by ball milling. <i>Materials Letters</i> , 2008, 62, 2851-2854.	1.3	37
52	Effect of ball milling and post-annealing on magnetic properties of Ni49.8Mn28.5Ga21.7 alloy powders. <i>Intermetallics</i> , 2008, 16, 1279-1284.	1.8	45
53	Phase transformation and microstructure of Ni-Mn-Ga ferromagnetic shape memory alloy particles. <i>Physica Scripta</i> , 2007, T129, 227-230.	1.2	5
54	Magnetic Properties and Martensite Structures of Ni ₅₀ Mn ₂₈ Ga ₂₂ Ferromagnetic Shape Memory Alloy. <i>Materials Transactions</i> , 2006, 47, 612-614.	0.4	0

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55	Two-Way Shape Memory Effect and Its Stability in a Ti–Ni–Nb Wide Hysteresis Shape Memory Alloy. <i>Materials Transactions</i> , 2006, 47, 724-727.	0.4	15
56	Effect of aging on transformation temperatures and microstructure of an Fe-doped Ni–Mn–Ga ferromagnetic shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 982-985.	2.6	10
57	Effect of Fe content on fracture behavior of Ni–Mn–Fe–Ga ferromagnetic shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 990-993.	2.6	52
58	Effect of pre-deformation on martensitic transformation behavior and the microstructure of a Ni–Mn–Ga alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 974-977.	2.6	2
59	Effect of aging on martensitic transformation and microstructure in Ni-rich TiNiHf shape memory alloy. <i>Scripta Materialia</i> , 2006, 54, 1599-1604.	2.6	99
60	Martensitic transformation and shape memory effect of a Ni–Fe–Ga polycrystalline alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 302, 459-462.	1.0	12
61	Effect of Fe addition on transformation temperatures and hardness of NiMnGa magnetic shape memory alloys. <i>Journal of Materials Science</i> , 2005, 40, 219-221.	1.7	32
62	The Stability of Magnetic-Field-Induced Strain in a NiMnGa Ferromagnetic Shape Memory Alloy. <i>Materials Science Forum</i> , 2005, 475-479, 2025-2028.	0.3	0
63	Title is missing!. <i>Journal of Materials Science Letters</i> , 2003, 22, 1241-1242.	0.5	2
64	Effect of annealing and thermal cycling on phase transformation behaviour of Ni–Mn–Ga alloy. <i>Materials Science and Technology</i> , 2003, 19, 691-694.	0.8	4
65	Microstructure, Phase Transformation and Mechanical Property of Ni-Co-Mn-In Alloy Prepared by Spark Plasma Sintering. <i>Materials Science Forum</i> , 0, 815, 222-226.	0.3	3
66	The Preparation and Characterization of NiTi/CNT/Polyurethane Composite. <i>Materials Science Forum</i> , 0, 813, 243-249.	0.3	1