

Jing-Min Wang

List of Publications by Year in descending order

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56
papers

1,094
citations

430874

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434195

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docs citations

56
times ranked

1093
citing authors

#	ARTICLE	IF	CITATIONS
19	Relation between solidification microstructure and coercivity in MnAl permanent-magnet alloys. <i>Intermetallics</i> , 2018, 96, 41-48.	3.9	22
20	Stabilization of $\bar{\Gamma}_2$ -phase in carbon-doped MnAl magnetic alloys. <i>Journal of Alloys and Compounds</i> , 2018, 755, 257-264.	5.5	36
21	Effect of coherent nanoprecipitates on martensitic transformation in Tb-doped NiMnGa melt-spun ribbons. <i>Intermetallics</i> , 2018, 97, 42-51.	3.9	12
22	Anisotropic single-variant of (Mn ₅₄ Al ₄₆) ₉₇ C ₃ . <i>Scripta Materialia</i> , 2018, 143, 72-76.	5.2	21
23	Internal friction behavior of Ni _{50.5} Mn ₂₅ Ga _{24.5} alloy with cellular microstructure. <i>Rare Metals</i> , 2018, , 1.	7.1	1
24	Tailoring ferroic domains by introducing internal stress: Fe ₈₁ Ga ₁₉ magnetostrictive alloy as an example. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	7
25	Improved magnetostriction and mechanical properties in dual-phase FeGa single crystal. <i>Materials Research Letters</i> , 2018, 6, 327-332.	8.7	21
26	Magneto-structural transition and magnetocaloric effect of Ni _{50-x} Tb _x Mn ₃₀ Ga ₂₀ ($x \in [0, 1]$) alloys. <i>Intermetallics</i> , 2017, 89, 100-104.	3.9	7
27	Large room-temperature elastocaloric effect of Ni ₅₇ Mn ₁₈ Ga ₂₁ In ₄ alloy undergoing a magnetostructural coupling transition. <i>Scripta Materialia</i> , 2017, 130, 148-151.	5.2	51
28	Influence of cooling rate on magneto-structural transition and magnetocaloric effect of Ni ₃₀ Cu ₈ Co ₁₂ Mn ₃₇ Ga ₁₃ alloy. <i>Journal of Iron and Steel Research International</i> , 2017, 24, 711-717.	2.8	3
29	Pseudoelasticity and elastocaloric effect of Fe _{75.5} Ga _{24.5} single crystal. <i>Rare Metals</i> , 2017, , 1.	7.1	0
30	Influence of annealing temperatures on the magnetostructural transition and magnetocaloric effect of Ni ₄₀ Co ₁₀ Mn ₄₀ Sn ₁₀ powders. <i>Journal of Alloys and Compounds</i> , 2017, 691, 215-219.	5.5	22
31	Large reversible magnetostrain of a Ni ₃₀ Cu ₈ Co ₁₂ Mn ₃₇ Ga ₁₃ single crystal. <i>Scripta Materialia</i> , 2016, 124, 142-145.	5.2	12
32	Microstructure and the correlated martensitic transformation of melt spinning Ni ₅₀ Mn ₂₉ Ga ₂₁ \hat{x} Tb _x ($x \in [0, 1]$) ribbons. <i>Acta Materialia</i> , 2016, 104, 91-100.	7.9	31
33	Giant heterogeneous magnetostriction in Fe \hat{x} Ga alloys: Effect of trace element doping. <i>Acta Materialia</i> , 2016, 109, 177-186.	7.9	112
34	Magneto-structural transition and magnetocaloric effect of melt spinning Ni ₅₀ Mn ₂₉ Ga ₂₁ \hat{x} Tb _x ($x \in [0, 1]$) ribbons. <i>Intermetallics</i> , 2016, 69, 118-122.	3.9	4
35	Phase transition and magnetocaloric effect of Ni ₅₀ Mn ₂₉ Ga ₂₁ \hat{x} Tb _x ($0 \leq x \leq 1$) alloys. <i>Journal of Alloys and Compounds</i> , 2015, 632, 681-685.	5.5	16
36	Grain size effect on the martensitic transformation of Ni ₅₀ Mn ₂₅ Ga ₁₇ Cu ₈ high-temperature shape memory alloy. <i>Intermetallics</i> , 2015, 61, 42-46.	3.9	13

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37	Martensitic transformation, shape memory effect and mechanical properties of dual-phase Ni ₅₀ ~ _x Tb _x Mn ₃₀ Ga ₂₀ (x=0~1) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 646, 288-293.	5.6	12
38	Tailoring the magnetostructural transition and magnetocaloric properties around room temperature: In-doped Ni-Mn-Ga alloys. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	18
39	Phase transition and mechanical properties of Ni ₃₀ Cu ₂₀ Mn _{37+x} Ga ₁₃ ~ _x (x=0~4.5) alloys. <i>Rare Metals</i> , 2014, 33, 547-551.	7.1	8
40	A linear elastic Ni ₅₀ Mn ₂₅ Ga ₉ Cu ₁₆ martensitic alloy. <i>Rare Metals</i> , 2013, 32, 29-32.	7.1	3
41	Microstructure and magnetic properties of melt spinning Ni~Mn~Ga. <i>Intermetallics</i> , 2013, 32, 151-155.	3.9	33
42	Internal friction associated with the premartensitic transformation and twin boundary motion of Ni _{50+x} Mn ₂₅ ~ _x Ga ₂₅ (x=0~2) alloys. <i>Journal of Applied Physics</i> , 2013, 113, 103502.	2.5	8
43	Microstructure and mechanical properties of a Ni ₃₀ Cu ₂₀ Mn _{41.5} Ga _{8.5} dual-phase shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 578, 256-259.	5.6	11
44	Phase stability and magnetic properties of Ni ₅₀ ~ _x Cu _x Mn ₃₁ Ga ₁₉ alloys. <i>Intermetallics</i> , 2013, 34, 14-17.	3.9	13
45	Magnetostructural coupling near room temperature in Ni _{46-x} Fe _x Cu ₄ Mn ₃₄ Ga ₁₆ alloys. <i>Applied Physics Letters</i> , 2013, 102, 012405.	3.3	2
46	Effect of directional solidification rate on the solidified morphologies and phase transformations of Ni _{50.5} Mn ₂₅ Ga _{24.5} alloy. <i>Journal of Alloys and Compounds</i> , 2012, 541, 477-482.	5.5	7
47	Correlation between solid-state transformations and solidification in Ni-Mn-Ga alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3549-3553.	2.2	2
48	Study of Ni~Mn~Ga~Cu as single-phase wide-hysteresis shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6907-6911.	5.6	34
49	Magnetic field-induced reverse martensitic transformation in NiMnGaCu alloy. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 285002.	2.8	14
50	A single-phase wide-hysteresis shape memory alloy Ni ₅₀ Mn ₂₅ Ga ₁₇ Cu ₈ . <i>Scripta Materialia</i> , 2010, 62, 298-300.	5.2	38
51	A highly plastic Ni ₅₀ Mn ₂₅ Cu ₁₈ Ga ₇ high-temperature shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1975-1978.	5.6	26
52	Search for transformation from paramagnetic martensite to ferromagnetic austenite: NiMnGaCu alloys. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	48
53	Anomalous magnetizations in melt spinning Ni~Mn~Ga. <i>Journal of Applied Physics</i> , 2009, 106, 023923.	2.5	20
54	Giant magnetoelectric coupling and E-field tunability in a laminated Ni ₂ MnGa/lead-magnesium-niobate-lead titanate multiferroic heterostructure. <i>Applied Physics Letters</i> , 2008, 93, 112502.	3.3	73

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55	Magnetostrain and magnetization of the Ni-Mn-Ga single crystal. , 2005, , .		1
56	Temperature dependence of the giant magnetostrain in a NiMnGa magnetic shape memory alloy. Applied Physics Letters, 2005, 86, 252508.	3.3	34