

Bing Tian

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microstructure and martensitic transformation of Ti ₄₉ Ni ₅₁ ~Hf high temperature shape memory alloys. <i>Materials Letters</i> , 2009, 63, 1869-1871.	1.3	57
2	Effect of ball milling and post-annealing on magnetic properties of Ni _{49.8} Mn _{28.5} Ga _{21.7} alloy powders. <i>Intermetallics</i> , 2008, 16, 1279-1284.	1.8	45
3	Structural transition and atomic ordering of Ni _{49.8} Mn _{28.5} Ga _{21.7} ferromagnetic shape memory alloy powders prepared by ball milling. <i>Materials Letters</i> , 2008, 62, 2851-2854.	1.3	37
4	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
5	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
6	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
7	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
8	Compression behavior of magnesium/carbon nanotube composites. <i>Journal of Materials Research</i> , 2013, 28, 1877-1884.	1.2	27
9	Time effect of martensitic transformation in Ni ₄₃ Co ₇ Mn ₄₁ Sn ₉ . <i>Intermetallics</i> , 2010, 18, 188-192.	1.8	25
10	Mechanical properties and microstructure of pure polycrystalline magnesium rolled by different routes. <i>Materials Letters</i> , 2012, 67, 81-83.	1.3	25
11	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
12	Martensitic transformation and magnetic properties of Ti-doped NiCoMnSn shape memory alloy. <i>Rare Metals</i> , 2014, 33, 511-515.	3.6	22
13	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
14	Transformation hysteresis and shape memory effect of an ultrafine-grained TiNiNb shape memory alloy. <i>Intermetallics</i> , 2014, 54, 133-135.	1.8	20
15	Multiple-stage transformation behavior of Ti _{49.2} Ni _{50.8} alloy with different initial microstructure processed by equal channel angular pressing. <i>Intermetallics</i> , 2017, 85, 163-169.	1.8	19
16	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
17	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
18	Effect of annealing temperature on martensitic transformation of Ti _{49.2} Ni _{50.8} alloy processed by equal channel angular pressing. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 448-455.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Microstructure and martensitic transformation of NiTiHfSc high temperature shape memory alloys. Journal of Alloys and Compounds, 2019, 779, 212-218.	2.8	17
20	The orientation dependence of transformation strain of Ni ₄₆ Mn ₄₃ Ga polycrystalline alloy and its composite with epoxy resin. Journal of Alloys and Compounds, 2010, 505, 680-684.	2.8	16
21	Phase Transformation and Magnetic Property of Ni-Mn-Ga Powders Prepared by Dry Ball Milling. Journal of Materials Engineering and Performance, 2012, 21, 2530-2534.	1.2	15
22	Effect of pre-strain on martensitic transformation of Ni ₄₃ Mn ₄₃ Co ₇ Sn ₇ high- temperature shape memory alloy. Materials Letters, 2010, 64, 1879-1882.	1.3	13
23	Martensitic Transformation and Shape Memory Effect of NiCoMnSn High Temperature Shape Memory Alloy. Journal of Materials Engineering and Performance, 2012, 21, 2509-2514.	1.2	13
24	TRANSFORMATION BEHAVIOR AND SHAPE MEMORY EFFECT OF A CoAl ALLOY. International Journal of Modern Physics B, 2009, 23, 1931-1936.	1.0	12
25	Two-way shape memory effect of TiNiSn alloys developed by martensitic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 434-437.	2.6	10
26	Fracture behavior and structural transition of Ni ₄₆ Mn ₃₃ Ga ₁₇ Cu ₄ Zr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 95-101.	2.6	6
27	Microstructure and Damping Property of Polyurethane Composites Hybridized with Ultraviolet Absorbents. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.0	6
28	Phase transformation and microstructure of Ni ₄₆ Mn ₄₃ Ga ferromagnetic shape memory alloy particles. Physica Scripta, 2007, T129, 227-230.	1.2	5
29	Phase transformation of NiTi shape memory alloy powders prepared by ball milling. Journal of Alloys and Compounds, 2009, 477, 576-579.	2.8	5
30	Effect of aging on martensitic transformation and superelasticity of TiNiCr shape memory alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 2598-2605.	1.7	4
31	Microstructure, Phase Transformation and Mechanical Property of Ni-Co-Mn-In Alloy Prepared by Spark Plasma Sintering. Materials Science Forum, 0, 815, 222-226.	0.3	3
32	Effect of thermal treatment and ball milling on microstructure and phase transformation of Ni ₄₆ Mn ₄₃ Ga ₁₁ Nb alloys. Transactions of Nonferrous Metals Society of China, 2019, 29, 2117-2127.	1.7	2
33	The Preparation and Characterization of NiTi/CNT/Polyurethane Composite. Materials Science Forum, 0, 813, 243-249.	0.3	1