

Yi Long

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Age stability of La(Fe,Si) ₁₃ hydrides with giant magnetocaloric effects. <i>Rare Metals</i> , 2022, 41, 992-1001.	7.1	6
2	Unipolar electric-field-controlled nonvolatile multistate magnetic memory in FeRh/(001)PMN-PT heterostructures over a broad temperature span. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	5.1	4
3	Giant and Reversible Barocaloric Effect in Trinuclear Spin-Crossover Complex Fe ₃ (bntz) ₆ (tcnset) ₆ . <i>Advanced Materials</i> , 2021, 33, e2008076.	21.0	58
4	Effects of interstitial C atoms on magnetostructural transformation and magnetocaloric effect in MnNi _{0.77} Fe _{0.23} Ge _x compounds. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	4
5	Theoretical and Experimental Insights into the Effects of Zn Doping on the Magnetic and Magnetocaloric Properties of MnCoGe. <i>Chemistry of Materials</i> , 2020, 32, 6721-6729.	6.7	12
6	Successive inverse and normal magnetocaloric effects in the Mn-vacancy compound Mn _{0.95} Co _{0.75} Cu _{0.25} Ge. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	5
7	Researches on corrosion behavior and magnetocaloric effect of the LaFe _{11.7-x} Co _x Al _{1.3} alloys. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156298.	5.5	8
8	Effect of annealing pressure on surface oxidation in annealing process for LaFe _{11.5} Si _{1.5} Co _{1.3} strips. <i>AIP Advances</i> , 2020, 10, 025104.	1.3	1
9	Corrosion Behavior of Nonstoichiometric La(Fe,Si) ₁₃ -Based Alloys. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28898-28906.	3.1	8
10	Magnetic properties of FeNi alloys for high-temperature thermomagnetic power generation. <i>AIP Advances</i> , 2019, 9, .	1.3	5
11	Magnetic and magnetocaloric properties of DyCo ₂ C _x alloys. <i>Journal of Alloys and Compounds</i> , 2019, 777, 152-156.	5.5	11
12	Outstanding Comprehensive Performance of La(Fe, Si) ₁₃ H _y /In Composite with Durable Service Life for Magnetic Refrigeration. <i>Advanced Electronic Materials</i> , 2018, 4, 1700636.	5.1	61
13	Magnetocaloric effect and corrosion resistance of La(Fe, Si) ₁₃ composite plates bonded by different fraction of phenolic resin. <i>AIP Advances</i> , 2018, 8, .	1.3	4
14	The influence of Cr and Ni on the character of magnetic phase transition in LaFe _{11.52-x} M _x Si _{1.48} alloys. <i>AIP Advances</i> , 2018, 8, .	1.3	11
15	Effect of Yttrium on Microstructure and Magnetocaloric Properties in La _{1-x} Y _x Fe _{11.5} Si _{1.5} Compounds. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2198.	2.5	3
16	Large inverse magnetocaloric effect induced by antiferromagnetically magnetostructural transition in Mn _{0.8} Fe _{0.2} Ni _{1-x} Cu _x Ge compounds. <i>Journal of Alloys and Compounds</i> , 2018, 769, 916-921.	5.5	11
17	Corrosion behavior and phase formation of LaFe _{13-x} Si _x By alloys. <i>Materials and Design</i> , 2017, 129, 1-8.	7.0	11
18	Giant magnetocaloric effect induced by reemergence of magnetostructural coupling in Si-doped Mn _{0.95} CoGe compounds. <i>Materials and Design</i> , 2017, 114, 410-415.	7.0	47

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19	Solid solubility in 1:13 phase of doping element for La(Fe,Si) ₁₃ alloys. AIP Advances, 2016, 6, .	1.3	9
20	Microstructure and Nano-hardness of Pure Copper and ODS Copper Alloy under Au Ions Irradiation at Room Temperature. Acta Metallurgica Sinica (English Letters), 2016, 29, 1047-1052.	2.9	2
21	Effect of impurity phase on corrosion resistance and magnetic entropy change for LaFe _{11.3} Co _{0.4} Si _{1.3} CO _{1.5} magnetocaloric compound. Journal of Rare Earths, 2016, 34, 283-287.	4.8	18
22	The effect of boron doping on crystal structure, magnetic properties and magnetocaloric effect of DyCo ₂ . Journal of Magnetism and Magnetic Materials, 2016, 405, 122-128.	2.3	13
23	Excellent mechanical properties and specific heat capacity of Er$3+x$/Ni binary alloys. , 2015, , .		0
24	Excellent Mechanical Properties and Specific Heat Capacities of Multiphase Er _{3+x} Ni Alloys. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	1
25	Corrosion behavior and \hat{T}^m -S-T relation of LaFe ₁₃ \hat{a}^{\wedge} Co Si C compounds near room temperature. Journal of Magnetism and Magnetic Materials, 2015, 377, 368-372.	2.3	20
26	Abnormal hardening effect induced by the lath-like precipitates in the V \hat{a} Cr \hat{a} Ti alloy. Materials Letters, 2015, 161, 609-612.	2.6	14
27	Corrosion and latent heat in thermal cycles for La(Fe,Mn,Si) ₁₃ magnetocaloric compounds. Journal of Magnetism and Magnetic Materials, 2014, 354, 336-339.	2.3	15
28	Effect of deuterium ion implantation on microstructures of Fe-M (M=V, W, Ta) alloys. Acta Metallurgica Sinica (English Letters), 2013, 26, 303-306.	2.9	4
29	Irradiation effects on nanocrystalline materials. Frontiers of Materials Science, 2013, 7, 143-155.	2.2	37
30	Microstructural evolution and phase transition dependent on annealing temperature and carbon content for LaFe _{11.5} Si _{1.5} C _x compounds prepared by arc-melting. Intermetallics, 2013, 39, 79-83.	3.9	27
31	Influence of the oxidation on microstructure and magnetocaloric effect of LaFe _{11.5} Si _{1.5} CO ₂ compounds. Materials Letters, 2013, 112, 149-152.	2.6	14
32	Effect of Mn Substitution on Microstructure Evolution and Magnetic Phase Transition in La(Fe _{1\hat{a}x Mn) Tj ETQq0 0 0 rgBT /Overlock 10 Materials Science, 2013, 44, 5782-5787.}	2.2	4
33	Effect of chromium on magnetic properties and corrosion resistance of LaFe _{11.5} Si _{1.5} compound. Journal of Rare Earths, 2013, 31, 69-72.	4.8	17
34	Magnetic properties and magnetocaloric effect of LaFe _{11.5} \hat{a} TxSi _{1.5} (T \hat{a} %= \hat{a} %Cr, Ni). Journal of Applied Physics, 2013, 113, 143902.	2.5	9
35	Homogeneity of Curie Temperature in La (Fe, Si) ₁₃ Compounds by Co and C Doping. IEEE Transactions on Magnetics, 2012, 48, 3746-3748.	2.1	5
36	Influence of silicon and carbon elements on formation of 1:13 phase and microstructure in LaFe ₁₃ \hat{a} ySi _y compounds. Journal of Rare Earths, 2012, 30, 1225-1227.	4.8	5

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37	Influence of magnetic field annealing on saturation magnetostriction and M/H curves for FeCo-based nanocrystalline alloy. Journal of Applied Physics, 2011, 109, .	2.5	5
38	Corrosion behavior of magnetic refrigeration material La-Fe-Co-Si in distilled water. Journal of Alloys and Compounds, 2011, 509, 3627-3631.	5.5	34
39	Room Temperature Ferromagnetism of (Mn,Fe) Codoped ZnO Nanowires Synthesized by Chemical Vapor Deposition. Journal of Nanomaterials, 2011, 2011, 1-6.	2.7	6
40	The hydrogen absorption properties and magnetocaloric effect of $\text{La}_{0.8}\text{Ce}_{0.2}(\text{Fe}_{1-x}\text{Mn}_x)\text{Si}_{1.5}\text{H}_y$. Journal of Applied Physics, 2011, 109, 07A910.	2.5	13
41	Inhibition of La-Fe-Co-Si compound corrosion in distilled water by sodium molybdate and disodium hydrogen phosphate. Journal of Rare Earths, 2011, 29, 138-142.	4.8	14
42	Microstructure and magnetocaloric effect in cast $\text{LaFe}_{11.5}\text{Si}_{1.5}\text{B}_x$ ($x=0.5, 1.0$). Journal of Magnetism and Magnetic Materials, 2010, 322, 1710-1714.	2.3	30
43	The study on the microstructure and the magnetocaloric effects in $\text{LaFe}_{10.8}\text{Co}_{0.7}\text{Si}_{1.5}\text{Co}_{0.2}$ compound at different annealing times. Journal of Applied Physics, 2010, 107, 09A905.	2.5	11
44	Thermal Stability and Soft Magnetic Properties of (Fe, Co)-(Nd, Dy)-B Glassy Alloys with High Boron Concentrations. Materials Transactions, 2002, 43, 1974-1978.	1.2	10