Yi Long

List of Publications by Year
in descending order

44 papers	607 citations	687363 13 h-index	642732 23 g-index
45 all docs	45 docs citations	45 times ranked	504 citing authors

#	Article	IF	Citations
1	Outstanding Comprehensive Performance of La(Fe, Si)₁₃H_y/In Composite with Durable Service Life for Magnetic Refrigeration. Advanced Electronic Materials, 2018, 4, 1700636.	5.1	61
2	Giant and Reversible Barocaloric Effect in Trinuclear Spinâ€Crossover Complex Fe₃(bntrz)₆(tcnset)₆. Advanced Materials, 2021, 33, e2008076.	21.0	58
3	Giant magnetocaloric effect induced by reemergence of magnetostructural coupling in Si-doped Mn0.95CoGe compounds. Materials and Design, 2017, 114, 410-415.	7.0	47
4	Irradiation effects on nanocrystalline materials. Frontiers of Materials Science, 2013, 7, 143-155.	2.2	37
5	Corrosion behavior of magnetic refrigeration material Laâ€“Feâ€“Coâ€“Si in distilled water. Journal of Alloys and Compounds, 2011, 509, 3627-3631.	5.5	34
6	Microstructure and magnetocaloric effect in cast LaFe11.5Si1.5Bx (x=0.5, 1.0). Journal of Magnetism and Magnetic Materials, 2010, 322, 1710-1714.	2.3	30
7	Microstructural evolution and phase transition dependent on annealing temperature and carbon content for LaFe11.5Si1.5Cx compounds prepared by arc-melting. Intermetallics, 2013, 39, 79-83.	3.9	27
8	Corrosion behavior and Î”S-T relation of LaFe13â^'â^'Co Si C compounds near room temperature. Journal of Magnetism and Magnetic Materials, 2015, 377, 368-372.	2.3	20
9	Effect of impurity phase on corrosion resistance and magnetic entropy change for LaFe11.3Co0.4Si1.3C0.15 magnetocaloric compound. Journal of Rare Earths, 2016, 34, 283-287.	4.8	18
10	Effect of chromium on magnetic properties and corrosion resistance of LaFe11.5Si1.5 compound. Journal of Rare Earths, 2013, 31, 69-72.	4.8	17
11	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
12	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
13	Influence of the oxidation on microstructure and magnetocaloric effect of LaFe11.5Si1.5C0.2 compounds. Materials Letters, 2013, 112, 149-152.	2.6	14
14	Abnormal hardening effect induced by the lath-like precipitates in the Vâ€“4Crâ€“4Ti alloy. Materials Letters, 2015, 161, 609-612.	2.6	14
15	The hydrogen absorption properties and magnetocaloric effect of La0.8Ce0.2(Fe1â^'xMnx)11.5Si1.5Hy. Journal of Applied Physics, 2011, 109, 07A910.	2.5	13
16	The effect of boron doping on crystal structure, magnetic properties and magnetocaloric effect of DyCo2. Journal of Magnetism and Magnetic Materials, 2016, 405, 122-128.	2.3	13
17	Theoretical and Experimental Insights into the Effects of Zn Doping on the Magnetic and Magnetocaloric Properties of MnCoGe. Chemistry of Materials, 2020, 32, 6721-6729.	6.7	12
18	The study on the microstructure and the magnetocaloric effects in LaFe10.8Co0.7Si1.5C0.2 compound at different annealing times. Journal of Applied Physics, 2010, 107, 09A905.	2.5	11

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19	Corrosion behavior and phase formation of LaFe13â˜xSixBy alloys. Materials and Design, 2017, 129, 1-8.	7.0	11
20	The influence of Cr and Ni on the character of magnetic phase transition in LaFe11.52-xMxSi1.48 alloys. AIP Advances, 2018, 8, .	1.3	11
21	Large inverse magnetocaloric effect induced by antiferromagnetically magnetostructural transition in Mn0.8Fe0.2Ni1-xCuxGe compounds. Journal of Alloys and Compounds, 2018, 769, 916-921.	5.5	11
22	Magnetic and magnetocaloric properties of DyCo2Cx alloys. Journal of Alloys and Compounds, 2019, 777, 152-156.	5.5	11
23	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
24	Magnetic properties and magnetocaloric effect of LaFe11.5â˜xTxSi1.5 (Tâ€‰=â€‰Cr, Ni). Journal of Applied Physics, 2013, 113, 143902.	2.5	9
25	Solid solubility in 1:13 phase of doping element for La(Fe,Si)13 alloys. AIP Advances, 2016, 6, .	1.3	9
26	Corrosion Behavior of Nonstoichiometric La(Fe,Si)₁₃-Based Alloys. Journal of Physical Chemistry C, 2019, 123, 28898-28906.	3.1	8
27	Researches on corrosion behavior and magnetocaloric effect of the LaFe11.7-xCoxAl1.3 alloys. Journal of Alloys and Compounds, 2020, 846, 156298.	5.5	8
28	Room Temperature Ferromagnetism of (Mn,Fe) Codoped ZnO Nanowires Synthesized by Chemical Vapor Deposition. Journal of Nanomaterials, 2011, 2011, 1-6.	2.7	6
29	Age stability of La(Fe,Si)13 hydrides with giant magnetocaloric effects. Rare Metals, 2022, 41, 992-1001.	7.1	6
30	Influence of magnetic field annealing on saturation magnetostriction and Î¼iâ€“T curves for FeCo-based nanocrystalline alloy. Journal of Applied Physics, 2011, 109, .	2.5	5
31	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
32	Influence of silicon and carbon elements on formation of 1:13 phase and microstructure in LaFe13â€“ySiy compounds. Journal of Rare Earths, 2012, 30, 1225-1227.	4.8	5
33	Magnetic properties of FeNi alloys for high-temperature thermomagnetic power generation. AIP Advances, 2019, 9, .	1.3	5
34	Successive inverse and normal magnetocaloric effects in the Mn-vacancy compound Mn0.95Co0.75Cu0.25Ge. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	5
35	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
36	Effect of Mn Substitution on Microstructure Evolution and Magnetic Phase Transition in La(Fe1â˜x Mn) Tj ETQq0 0 0 rgBT /Overlock 10 Materials Science, 2013, 44, 5782-5787.	2.2	4

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37	Magnetocaloric effect and corrosion resistance of La(Fe, Si)13 composite plates bonded by different fraction of phenolic resin. AIP Advances, 2018, 8, .	1.3	4
38	Effects of interstitial C atoms on magnetostructural transformation and magnetocaloric effect in MnNi0.77Fe0.23GeCx compounds. Journal of Applied Physics, 2020, 128, .	2.5	4
39	Unipolar electric-field-controlled nonvolatile multistate magnetic memory in FeRh/(001)PMN-PT heterostructures over a broad temperature span. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	4
40	Effect of Yttrium on Microstructure and Magnetocaloric Properties in La1â^'xYxFe11.5Si1.5 Compounds. Applied Sciences (Switzerland), 2018, 8, 2198.	2.5	3
41	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
42	Excellent Mechanical Properties and Specific Heat Capacities of Multiphase Er3+xNi Alloys. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	1
43	Effect of annealing pressure on surface oxidation in annealing process for LaFe11.5Si1.5C0.13 strips. AIP Advances, 2020, 10, 025104.	1.3	1
44	Excellent mechanical properties and specific heat capacity of Er<inf>3+x</inf>Ni binary alloys. , 2015, , .		0