

Qingmei Lu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intrinsic magnetic properties of single-phase $Mn_{1+x}Ga$ ($0 \leq x \leq 1$) alloys. Scientific Reports, 2015, 5, 17086.	3.3	46
2	Enhanced thermoelectric performance of $Mg_2Si_{0.4}Sn_{0.6}$ solid solutions by in nanostructures and minute Bi-doping. Applied Physics Letters, 2013, 103, .	3.3	42
3	In-Situ Synthesis and Thermoelectric Properties of Cr-Doped Higher Manganese Silicides. Journal of Electronic Materials, 2012, 41, 1450-1455.	2.2	20
4	Phase structure and magnetic properties of Mn_3Ga_2 alloy. Journal of Applied Physics, 2014, 115, 17A745.	2.5	12
5	Magnetic properties and thermal stability of MnBi/SmFeN hybrid bonded magnets. Journal of Applied Physics, 2014, 115, 17A746.	2.5	12
6	Enhanced Magnetic Properties of Spark Plasma Sintered (La/Ce)-Fe-B Magnets. IEEE Transactions on Magnetics, 2017, 53, 1-3.	2.1	12
7	Wide temperature window of magnetostructural transition achieved in $Mn_{0.4}Fe_{0.6}Ni_{1-x}Ga_x$ by a two-step isostructural alloying process. AIP Advances, 2016, 6, 056220.	1.3	10
8	The Magnetic and Crystal Structure of Mn_xGa ($1.15 \leq x \leq 1.8$) Alloys. Scientific Reports, 2017, 7, 6469		
9	Effects of Shape Anisotropy on Hard-Soft Exchange-Coupled Permanent Magnets. Nanomaterials, 2022, 12, 1261.	4.1	9
10	High thermoelectric performance of nanostructured Mg_3Sb_2 on synergistic Te-doping and Mg/Y interstitial. Journal of Materials Science, 2022, 57, 3183-3192.	3.7	8
11	Crystal structure and magnetism of the $Mn_{1-x}Ga$ ($1.15 \leq x \leq 2.0$) rare-earth-free permanent magnet system. AIP Advances, 2016, 6, .	1.3	7
12	Enhanced Magnetic Properties and Thermal Stability of $Nd_{2.2}Fe_{14}B/SmCo_{5.5}$ Composite Permanent Magnets Prepared by Spark Plasma Sintering. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
13	Preparation and Characterization of Phenol Formaldehyde Bonded Nd-Fe-B Magnets With High Strength and Heat Resistance. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	5
14	Improvement of Thermoelectric Properties Via Combination of Nanostructurization and Elemental Doping. Jom, 2014, 66, 2298-2308.	1.9	4
15	Hot Pressed $Pr_{2.2}(Fe,Co)_{14}/PrCo_5$ Hybrid Magnet Prepared by Spark Plasma Sintering. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	4
16	Experimental and first-principles determination of the magnetocrystalline anisotropy in Mn_xGa . AIP Advances, 2017, 7, .	1.3	4
17	Powdering and SPS sintering effect on the magnetocaloric properties of MnNiSi-based compounds. AIP Advances, 2019, 9, 035205.	1.3	4
18	Controllable preparation of microtips array on (100) crystal plane of single-crystal lanthanum hexaboride ceramic. Journal of the American Ceramic Society, 2022, 105, 1896-1903.	3.8	4

#	ARTICLE	IF	CITATIONS
19	Magnetic properties and coercivity mechanism of Sm _{1-x} Pr _x Co ₅ (x=0-0.6) nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2016, 6, .	1.3	3
20	Micromagnetic Simulation of Nitrogenation Effect on the Magnetic Properties of Sm ₂ Fe ₁₇ N ₃ Alloy. IEEE Magnetics Letters, 2022, 13, 1-5.	1.1	3
21	Crystal structure and magnetic properties of (Nd,Tb) ₂ Fe ₁₄ B nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2017, 7, 056231.	1.3	2
22	High electrical transport performance of C12A7: e ⁺ ceramics electrides on Cu-doping. Journal of the American Ceramic Society, 2022, 105, 4135-4142.	3.8	2
23	Multiscale microstructures and improved thermoelectric performance of Mg ₂ (Si _{0.4} Sn _{0.6})Sb _x solid solutions. Functional Materials Letters, 2014, 07, 1450036.		
24	Structure and Thermal Stability of a Bulk Nanocrystalline $\text{Sm}_{0.8}\text{Tm}_{0.2}\text{Co}_{5.2}$ Permanent Magnet. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	1
25	Magnetization reversal behavior of SmCo _{6.6} Nb _{0.4} nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2016, 6, .	1.3	1
26	DDM Curing Enhancement for the Epoxy Resin Binder Bonded Nd-Fe-B Magnets. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	1
27	[Ca ₂₄ Al ₂₈ O ₆₄] ₄₊ electride ceramic realizes mechanical and electrical transport properties coordinated regulation via composite ZrO ₂ . Journal of Materials Science: Materials in Electronics, 2022, 33, 6380.	2.2	1
28	Synthesis and thermoelectric properties of nano/micro-meter CoSb ₃ -based bulks processed by in-situ spark plasma sintering. , 2006, , .		0
29	Coercivity enhancement in PrCu-doped PrCo ₅ hot deformed magnet. AIP Advances, 2018, 8, 056212.	1.3	0
30	Grain refinement leading to the ultra-high coercivity in L ₁ -Mn _{1.33} Ga bulk magnet via hot deformation. Applied Physics Letters, 2022, 120, 152403.	3.3	0