

# Qingmei Lu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6887585/publications.pdf>

Version: 2024-02-01

30  
papers

233  
citations

1163117

8  
h-index

996975

15  
g-index

30  
all docs

30  
docs citations

30  
times ranked

318  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	High thermoelectric performance of nanostructured Mg <sub>3</sub> Sb <sub>2</sub> on synergistic Te-doping and Mg/Y interstitial. Journal of Materials Science, 2022, 57, 3183-3192.	3.7	8
3	High electrical transport performance of C12A7: e <sup>-</sup> ceramics electrides on Cu-doping. Journal of the American Ceramic Society, 2022, 105, 4135-4142.	3.8	2
4	[Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sub>4+</sub> :4e <sup>-</sup> electride ceramic realizes mechanical and electrical transport properties coordinated regulation via composite ZrO <sub>2</sub> . Journal of Materials Science: Materials in Electronics, 2022, 33, 6380.	2.2	1
5	Micromagnetic Simulation of Nitrogenation Effect on the Magnetic Properties of Sm <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> Alloy. IEEE Magnetics Letters, 2022, 13, 1-5.	1.1	3
6	Effects of Shape Anisotropy on Hard-Soft Exchange-Coupled Permanent Magnets. Nanomaterials, 2022, 12, 1261.	4.1	9
7	Grain refinement leading to the ultra-high coercivity in L <sub>1</sub> <sub>0</sub> -Mn <sub>1.33</sub> Ga bulk magnet via hot deformation. Applied Physics Letters, 2022, 120, 152403.	3.3	0
8	DDM Curing Enhancement for the Epoxy Resin Binder Bonded Nd-Fe-B Magnets. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	1
9	Powdering and SPS sintering effect on the magnetocaloric properties of MnNiSi-based compounds. AIP Advances, 2019, 9, 035205.	1.3	4
10	Coercivity enhancement in PrCu-doped PrCo <sub>5</sub> hot deformed magnet. AIP Advances, 2018, 8, 056212.	1.3	0
11	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
12	Crystal structure and magnetic properties of (Nd,Tb) <sub>2</sub> Fe <sub>14</sub> B nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2017, 7, 056231.	1.3	2
13	Enhanced Magnetic Properties of Spark Plasma Sintered (La/Ce)-Fe-B Magnets. IEEE Transactions on Magnetics, 2017, 53, 1-3.	2.1	12
14	The Magnetic and Crystal Structure of Mn <sub>x</sub> Ga (1.15 ≤ x ≤ 1.8) Alloys. Scientific Reports, 2017, 7, 6469		
15	Experimental and first-principles determination of the magnetocrystalline anisotropy in Mn <sub>x</sub> Ga. AIP Advances, 2017, 7, .	1.3	4
16	Magnetic properties and coercivity mechanism of Sm <sub>1-x</sub> Pr <sub>x</sub> Co <sub>5</sub> (x=0-0.6) nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2016, 6, .	1.3	3
17	Crystal structure and magnetism of the Mn <sub>x</sub> Ga (1.15 ≤ x ≤ 2.0) rare-earth-free permanent magnet system. AIP Advances, 2016, 6, .	1.3	7
18	Magnetization reversal behavior of SmCo <sub>6.6</sub> Nb <sub>0.4</sub> nanoflakes prepared by surfactant-assisted ball milling. AIP Advances, 2016, 6, .	1.3	1

#	ARTICLE	IF	CITATIONS
19	Wide temperature window of magnetostructural transition achieved in $\text{Mn}_{0.4}\text{Fe}_{0.6}\text{NiSi}_{1-x}\text{Ga}_x$ by a two-step isostructural alloying process. <i>AIP Advances</i> , 2016, 6, 056220.	1.3	10
20	Intrinsic magnetic properties of single-phase $\text{Mn}_{1+x}\text{Ga}$ ( $0 \leq x \leq 1$ ) alloys. <i>Scientific Reports</i> , 2015, 5, 17086.	3.3	46
21	Hot Pressed $\text{Pr}_{2-x}(\text{Fe},\text{Co})_{14-x}\text{B}/\text{PrCo}_5$ Hybrid Magnet Prepared by Spark Plasma Sintering. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	1.1	4
22	Enhanced Magnetic Properties and Thermal Stability of $\text{Nd}_{2-x}\text{Fe}_{14-x}\text{B}/\text{SmCo}_5$ Composite Permanent Magnets Prepared by Spark Plasma Sintering. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	6
23	Improvement of Thermoelectric Properties Via Combination of Nanostructurization and Elemental Doping. <i>Jom</i> , 2014, 66, 2298-2308.	1.9	4
24	Phase structure and magnetic properties of $\text{Mn}_3\text{Ga}_2$ alloy. <i>Journal of Applied Physics</i> , 2014, 115, 17A745.	2.5	12
25	Multiscale microstructures and improved thermoelectric performance of $\text{Mg}_2(\text{Si}_{0.4}\text{Sn}_{0.6})\text{Sb}_x$ solid solutions. <i>Functional Materials Letters</i> , 2014, 07, 1450036.		
26	Magnetic properties and thermal stability of $\text{MnBi}/\text{SmFeN}$ hybrid bonded magnets. <i>Journal of Applied Physics</i> , 2014, 115, 17A746.	2.5	12
27	Structure and Thermal Stability of a Bulk Nanocrystalline $\text{Sm}_{0.8}\text{TM}_{0.2}\text{Co}_{5.2}$ Permanent Magnet. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-3.	2.1	1
28	Enhanced thermoelectric performance of $\text{Mg}_2\text{Si}_{0.4}\text{Sn}_{0.6}$ solid solutions by in nanostructures and minute Bi-doping. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	42
29	In-Situ Synthesis and Thermoelectric Properties of Cr-Doped Higher Manganese Silicides. <i>Journal of Electronic Materials</i> , 2012, 41, 1450-1455.	2.2	20
30	Synthesis and thermoelectric properties of nano/micro-meter $\text{CoSb}_3$ -based bulks processed by in-situ spark plasma sintering. , 2006, , .		0