

# Luo Yang

## List of Publications by Year in descending order

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34  
papers

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#	ARTICLE	IF	CITATIONS
1	Hard magnetic properties of melt-spun nanocomposite Y16Fe78B6 ribbons. <i>Rare Metals</i> , 2023, 42, 602-605.	7.1	4
2	Magnetic properties and magnetization mechanism of anisotropic NdFeB/SmFeN hybrid bonded magnets prepared with different coercivity NdFeB powders. <i>Journal of Rare Earths</i> , 2023, 41, 1353-1359.	4.8	3
3	Coercivity enhancement of hot-deformed NdFeB permanent magnets with AlCuZn eutectic alloy grain boundary diffusion. <i>Rare Metals</i> , 2022, 41, 226-231.	7.1	3
4	Effect of silane coupling agents on flowability and compressibility of compound for bonded NdFeB magnet. <i>Journal of Rare Earths</i> , 2022, 40, 772-777.	4.8	9
5	Effect of Nb doping on microstructure and magnetic properties of hot-deformed Nd-Fe-B magnets with Nd-Cu eutectic diffusion. <i>Journal of Materials Science and Technology</i> , 2022, 122, 121-127.	10.7	9
6	Effect of MgCl <sub>2</sub> on electrophoretic deposition of TbF <sub>3</sub> powders on Nd-Fe-B sintered magnet. <i>Journal of Rare Earths</i> , 2022, , .	4.8	4
7	Magnetic properties and microstructures of hydrogenation-disproportionation-desorption-recombination processed Nd-Fe-B powders by grain boundary diffusion of Nd-Cu-Al. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, , 169430.	2.3	0
8	Effect of Al content of Nd-Fe-B sintered magnet on grain boundary diffusion process of Tb coating. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 556, 169429.	2.3	4
9	Effects of grain boundary diffusion of PrCu alloy on microstructure and coercivity of hot deformed (Nd,Ce)-Fe-B magnets. <i>Journal of Rare Earths</i> , 2021, 39, 986-992.	4.8	12
10	Magnetic properties and microstructures of terbium coated and grain boundary diffusion treated sintered Nd-Fe-B magnets by magnetron sputtering. <i>Journal of Rare Earths</i> , 2021, 39, 167-173.	4.8	18
11	Preparation and properties of hot-deformed magnets processed from nanocrystalline/amorphous Nd-Fe-B powders. <i>Rare Metals</i> , 2021, 40, 2033-2039.	7.1	9
12	Permanent magnetic properties of Nd-Fe-B melt-spun ribbons with Y substitution. <i>Rare Metals</i> , 2020, 39, 55-61.	7.1	15
13	Growth of quasi-texture in nanostructured magnets with ultra-high coercivity. <i>Acta Materialia</i> , 2020, 195, 282-291.	7.9	9
14	Magnetic properties enhancement of hot-deformed NdFeB magnets by two different methods of CeNdCu diffusion. <i>Journal of Rare Earths</i> , 2020, 38, 1312-1316.	4.8	8
15	Effects of cerium substitution on phase components, microstructures and magnetic properties of Nd-Fe-Ti-B alloy. <i>Journal of Rare Earths</i> , 2019, 37, 861-864.	4.8	3
16	Phase structure evolution and magnetic properties of La/Ce doped melt-spun NdFeB alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 490, 165454.	2.3	19
17	Magnetostrictive properties and detection efficiency of TbDyFe/FeCo composite materials for nondestructive testing. <i>Journal of Rare Earths</i> , 2019, 37, 166-170.	4.8	14
18	Significant coercivity enhancement of Ti doping in Nd-Ce-Fe-B melt spun alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 323-328.	2.3	4

#	ARTICLE	IF	CITATIONS
19	Structure and magnetic properties of TbCu <sub>7</sub> -type melt-spun Sm-Fe-B alloys. <i>Rare Metals</i> , 2019, 38, 151-156.	7.1	7
20	Structure and magnetic properties of melt-spun Sm-Fe-Nb ribbons and their nitrides. <i>Rare Metals</i> , 2018, 37, 232-236.	7.1	2
21	Coercivity enhancement in Nd-Fe-B magnetic powders by Nd-Cu-Al grain boundary diffusion. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 85-89.	2.3	19
22	Structure and hard magnetic properties of TbCu <sub>7</sub> -type SmFe <sub>8.95</sub> Ga <sub>0.26</sub> Nb <sub>x</sub> nitrides. <i>Journal of Rare Earths</i> , 2018, 36, 165-169.	4.8	4
23	Experimental and computational study on the phase formation and magnetic properties of Ce-La-Fe-B alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 461, 100-105.	2.3	20
24	Controlled magnetic properties by tuning TbCu <sub>7</sub> /Th <sub>2</sub> Zn <sub>17</sub> phase in isotropic Sm-Fe-Nb-N compounds. <i>Journal of Alloys and Compounds</i> , 2018, 741, 661-665.	5.5	5
25	Hard magnetic properties and coercivity mechanism of melt-spun Misch Metal-Fe-B alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 437, 12-16.	2.3	8
26	Structure, nitridation efficiency and magnetic properties of SmFe powders and its nitrides. <i>Rare Metals</i> , 2017, , 1.	7.1	2
27	Effect of boron additions on phase formation and magnetic properties of TbCu <sub>7</sub> -type melt spun SmFe ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 412, 89-94.	2.3	14
28	The crystallization behavior of as-quenched Nd <sub>9</sub> Fe <sub>85</sub> Nb <sub>0.5</sub> B <sub>5.5</sub> alloys. <i>Journal of Alloys and Compounds</i> , 2015, 635, 61-65.	5.5	9
29	Crystal structure and magnetic properties of SmFe <sub>9</sub> Co <sub>x</sub> alloys. <i>Rare Metals</i> , 2014, 33, 54-57.	7.1	9
30	Crystal structure and hard magnetic properties of TbCu <sub>7</sub> -type Sm <sub>0.98</sub> Fe <sub>9.02</sub> Ga <sub>x</sub> nitrides. <i>Journal of Rare Earths</i> , 2014, 32, 722-726.	4.8	9
31	Structure and permanent magnetic properties of SmFe <sub>x</sub> (x=3-8) melt spun ribbons during heat treatment. <i>Journal of Rare Earths</i> , 2014, 32, 960-964.	4.8	10
32	Magnetic properties optimization of nanocomposite Nd <sub>9</sub> Fe <sub>85</sub> B <sub>6</sub> magnets by controlling microstructure of as-quenched ribbons. <i>Rare Metals</i> , 2014, 33, 299-303.	7.1	7
33	Nitridation process effect on crystal structure and magnetic properties of TbCu <sub>7</sub> -type SmFe <sub>9</sub> alloys. <i>Journal of Rare Earths</i> , 2013, 31, 979-982.	4.8	9
34	Phase and microstructure of TbCu <sub>7</sub> -type SmFe melt-spun powders. <i>Journal of Rare Earths</i> , 2013, 31, 381-385.	4.8	13