

# Wei Li

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

407  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

84  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant progress of grain boundary diffusion process for cost-effective rare earth permanent magnets: A review. <i>Materials and Design</i> , 2021, 209, 110004.	7.0	98
2	Significantly enhancing the coercivity of NdFeB magnets by ternary Pr-Al-Cu alloys diffusion and understanding the elements diffusion behavior. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 97-104.	2.3	79
3	Development of non-rare earth grain boundary modification techniques for Nd-Fe-B permanent magnets. <i>Journal of Materials Science and Technology</i> , 2022, 98, 51-61.	10.7	54
4	Annealed Al-Cr coating: A hard anti-corrosion coating with grain boundary modification effect for Nd-Fe-B magnets. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159229.	5.5	22
5	Chemical synthesis and coercivity enhancement of Nd <sub>2</sub> Fe <sub>14</sub> B nanostructures mediated by non-magnetic layer. <i>Nano Research</i> , 2020, 13, 1141-1148.	10.4	20
6	Enhancing the grain boundary diffusion efficiency of Tb for Nd-Fe-B magnets using dual-alloy diffusion source. <i>Journal of Materials Research and Technology</i> , 2022, 18, 841-851.	5.8	20
7	High-efficient selected area grain boundary diffusion for enhancing the coercivity of thick Nd-Fe-B magnets. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	19
8	Rationally selecting the chemical composition of the Nd-Fe-B magnet for high-efficiency grain boundary diffusion of heavy rare earths. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2080-2088.	5.5	19
9	Grain Boundary Diffusion Sources and Their Coating Methods for Nd-Fe-B Permanent Magnets. <i>Metals</i> , 2021, 11, 1434.	2.3	18
10	Micromagnetic simulation for the effects of core-shell distributions of RE on the magnetic properties of dual-main-phase Nd-Fe-B based magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 302-310.	2.3	15
11	Restoring and enhancing the coercivity of waste sintered (Nd,Ce,Gd)FeB magnets by direct Pr-Tb-Cu grain boundary diffusion. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	13
12	Grain boundary modification and properties enhancement of sintered Nd-Fe-B magnets by ZnO solid diffusion. <i>Applied Surface Science</i> , 2021, 565, 150545.	6.1	13
13	Alloying Pr-Tb-Cu diffusion source with Ni for enhancing both coercivity and corrosion resistance of Nd-Fe-B magnets. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165049.	5.5	10
14	Enhancing the Properties of Spark Plasma Sintered Nanocrystalline NdFeB Magnets by the Addition of Cu-Zn Alloy and Dy <sub>2</sub> O <sub>3</sub> Powders. <i>Journal of Electronic Materials</i> , 2020, 49, 720-727.	2.2	5
15	Production of anisotropic hot deformed Nd-Fe-B magnets with the addition of Pr-Cu-Al alloy based on nanocomposite ribbon. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162072.	5.5	2