Haibo Sun

List of Publications by Year
in descending order

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Version: 2024-02-01

22	438	840776 11	713466 21
papers	citations	h-index	g-index

24	24	24	191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient synthesis of TiO2-coated layer for Fe-based soft magnetic composites and their regulation mechanism analysis on magnetic properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 13956-13967.	2.2	7
2	High-frequency loss analysis and related magnetic properties of Fe-based amorphous soft magnetic composites with different granularity matches. Journal of Applied Physics, 2022, 131, .	2.5	2
3	Insulation layer design for soft magnetic composites by synthetically comparing their magnetic properties and coating process parameters. Journal of Magnetism and Magnetic Materials, 2021, 519, 167496.	2.3	29
4	Improvement of magnetic properties for FeSi/FeSiAl compound soft magnetic composites by introducing impact of powder size matching. Journal of Materials Science: Materials in Electronics, 2021, 32, 8545-8556.	2.2	11
5	Magnetic properties and loss separation mechanism of FeSi soft magnetic composites with in situ NiZn-ferrite coating. Journal of Materials Science: Materials in Electronics, 2021, 32, 20410-20421.	2.2	10
6	Enhancements of preparation efficiency and magnetic properties for Fe-based amorphous magnetic flake powder cores upon the adoption of a novel double-paralleled slits nozzle. Journal of Magnetism and Magnetic Materials, 2020, 500, 166358.	2.3	11
7	Industry-oriented Fe-based amorphous soft magnetic composites with SiO2-coated layer by one-pot high-efficient synthesis method. Journal of Magnetism and Magnetic Materials, 2020, 509, 166924.	2.3	24
8	Fe-based amorphous powder cores with low core loss and high permeability fabricated using the core-shell structured magnetic flaky powders. Journal of Magnetism and Magnetic Materials, 2020, 502, 166548.	2.3	38
9	Crystal-like microstructural Finemet/FeSi compound powder core with excellent soft magnetic properties and its loss separation analysis. Materials and Design, 2020, 192, 108769.	7.0	70
10	Thermodynamic and experimental study on the reduction and carbonization of TiO ₂ through gasâ€solid reaction. International Journal of Energy Research, 2019, 43, 4253-4263.	4.5	13
11	Strategy to Enhance Magnetic Properties of Fe78Si9B13 Amorphous Powder Cores in the Industrial Condition. Metals, 2019, 9, 381.	2.3	6
12	Numerical Analysis on Effect of Additional Gas Injection on Characteristics around Raceway in Melter Gasifier. High Temperature Materials and Processes, 2019, 38, 837-848.	1.4	3
13	Coordinating optimisation of F-EMS and soft reduction during bloom continuous casting process for special steel. Ironmaking and Steelmaking, 2018, 45, 708-713.	2.1	14
14	Effect of subsurface negative segregation induced by M-EMS on componential homogeneity for bloom continuous casting. Metallurgical Research and Technology, 2018, 115, 603.	0.7	7
15	Novel Opposite Stirring Mode in Bloom Continuous Casting Mould by Combining Swirling Flow Nozzle with EMS. Metals, 2018, 8, 842.	2.3	6
16	On the Alternate Stirring Mode of F-EMS for Bloom Continuous Castings. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1909-1918.	2.1	10
17	Glass Forming Ability, Thermal Stability, and Magnetic Properties of FeCoNiBSi Alloys with Different B Contents. Advances in Materials Science and Engineering, 2018, 2018, 1-6.	1.8	3
18	Very High Cycle Fatigue Behavior of a Directionally Solidified Ni-Base Superalloy DZ4. Materials, 2018, 11, 98.	2.9	17

#	Article	IF	Citations
19	Effect of Low Cycle Fatigue Predamage on Very High Cycle Fatigue Behavior of TC21 Titanium Alloy. Materials, 2017, 10, 1384.	2.9	13
20	Study on the Macrosegregation Behavior for the Bloom Continuous Casting: Model Development and Validation. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1133-1149.	2.1	80
21	Macrosegregation Improvement by Swirling Flow Nozzle for Bloom Continuous Castings. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 936-946.	2.1	44
22	Effect of Feeding Modes of Molten Steel on the Mould Metallurgical Behavior for Round Bloom Casting. ISIJ International, 2011, 51, 1657-1663.	1.4	20