

Haibo Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

438
citations

840776

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713466

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24
all docs

24
docs citations

24
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Industry-oriented Fe-based amorphous soft magnetic composites with SiO ₂ -coated layer by one-pot high-efficient synthesis method. Journal of Magnetism and Magnetic Materials, 2020, 509, 166924.	2.3	24
7	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
8	Very High Cycle Fatigue Behavior of a Directionally Solidified Ni-Base Superalloy DZ4. Materials, 2018, 11, 98.	2.9	17
9	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
10	Effect of Low Cycle Fatigue Predamage on Very High Cycle Fatigue Behavior of TC21 Titanium Alloy. Materials, 2017, 10, 1384.	2.9	13
11	Thermodynamic and experimental study on the reduction and carbonization of TiO ₂ through gas-solid reaction. International Journal of Energy Research, 2019, 43, 4253-4263.	4.5	13
12	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
13	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
14	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
15	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
16	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
17	Efficient synthesis of TiO ₂ -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
18	Novel Opposite Stirring Mode in Bloom Continuous Casting Mould by Combining Swirling Flow Nozzle with EMS. Metals, 2018, 8, 842.	2.3	6

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19	Strategy to Enhance Magnetic Properties of Fe ₇₈ Si ₉ B ₁₃ Amorphous Powder Cores in the Industrial Condition. <i>Metals</i> , 2019, 9, 381.	2.3	6
20	Glass Forming Ability, Thermal Stability, and Magnetic Properties of FeCoNiBSi Alloys with Different B Contents. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-6.	1.8	3
21	Numerical Analysis on Effect of Additional Gas Injection on Characteristics around Raceway in Melter Gasifier. <i>High Temperature Materials and Processes</i> , 2019, 38, 837-848.	1.4	3
22	High-frequency loss analysis and related magnetic properties of Fe-based amorphous soft magnetic composites with different granularity matches. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	2