

Xubin Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrical Conductivity, Viscosity and Structure of CaO-Al ₂ O ₃ -Based Mold Slags for Continuous Casting of High-Al Steels. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2526-2535.	2.1	23
2	Effect of Exit Shape of Submerged Entry Nozzle on Flow Field and Slag Entrainment in Continuous Casting Mold. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 2862-2870.	2.1	21
3	Entrapment of Inclusions by Solidified Hooks at the Subsurface of Ultra-Low-Carbon Steel Slab. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 3186-3199.	2.1	19
4	Mathematical Modeling on the Influence of Casting Parameters on Initial Solidification at the Meniscus of Slab Continuous Casting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 1444-1460.	2.1	19
5	Influence of Casting Parameters on Hooks and Entrapped Inclusions at the Subsurface of Continuous Casting Slabs. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5469-5477.	2.2	17
6	Mathematical Modeling of Initial Solidification and Slag Infiltration at the Meniscus of Slab Continuous Casting Mold. Jom, 2019, 71, 78-87.	1.9	17
7	Three-Dimensional Distribution of Hooks in Al-Killed Low-Carbon Continuous Casting Steel Slabs. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2533-2549.	2.1	10
8	Influence of Electromagnetic Brake on Hook Growth and Inclusion Entrapment Beneath the Surface of Low-Carbon Continuous Casting Slabs. Steel Research International, 2018, 89, 1800263.	1.8	10
9	Effect of TiO ₂ substituting SiO ₂ on the rheological and crystallization behavior of mold slags for casting Ti-containing steel. Ceramics International, 2022, 48, 256-265.	4.8	9
10	Effect of Interfacial Reaction between CaO-BaO-Al ₂ O ₃ -Based Mold Fluxes and High-Mn-High-Al Steels on Fundamental Properties and Lubrication of Mold Flux. Steel Research International, 2020, 91, 1900581.	1.8	7
11	Influence of Interfacial Thermal Resistance on Initial Solidification and Heat Transfer in Continuous Casting Mold of Steel. Steel Research International, 2021, 92, 2000636.	1.8	7
12	Initial Solidification and Heat Transfer at Different Locations of Slab Continuous Casting Mold through 3D Coupled Model. Steel Research International, 2021, 92, 2000714.	1.8	6
13	3D Coupled Model on Dynamic Initial Solidification and Slag Infiltration at the Corner of Slab Continuous Casting Mold. Steel Research International, 2021, 92, 2100101.	1.8	5
14	Effects of Transition Metal Oxides ZrO ₂ , Y ₂ O ₃ , and Sc ₂ O ₃ on Radiative Heat Transfer of Low-Reactive CaO-Al ₂ O ₃ -Based Mold Slag. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 677-689.	2.1	4
15	Mathematical Modeling on Slag Consumption and Lubrication in a Slab Continuous Casting Mold. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 322-338.	2.1	4
16	Influence of Al ₂ O ₃ /O ₂ /SiO ₂ and BaO/Al ₂ O ₃ /O ₂ Ratios on Rheological and Crystallization Behavior of CaO-BaO-Al ₂ O ₃ -Based Mold Slags. ISIJ International, 2022, 62, 1116-1125.	1.4	4
17	Effect of Dispersant on the Dispersibility of CaO-Al ₂ O ₃ -Based Mold Powder Slurry. Transactions of the Indian Institute of Metals, 2022, 75, 473-479.	1.5	2