

Xubin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

184
citations

1163117

8
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

58
citing authors

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