

Helin Fan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

141
citations

1307594

7
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the TiO ₂ -MgO-Al ₂ O ₃ system: Insights from molecular dynamics simulations. Journal of Non-Crystalline Solids, 2022, 584, 121482.	3.1	2
2	Structural and transport properties of TiO ₂ -SiO ₂ -MgO-CaO system through molecular dynamics simulations. Journal of Molecular Liquids, 2021, 325, 115226.	4.9	7
3	Migration and Enrichment Behaviors of Ca and Mg Elements during Cooling and Crystallization of Boron-Bearing Titanium Slag Melt. Crystals, 2021, 11, 888.	2.2	5
4	Structural and transport properties of FeO-TiO ₂ -SiO ₂ systems: Insights from molecular dynamics simulations. Journal of Non-Crystalline Solids, 2021, 571, 121049.	3.1	8
5	The effect of B ₂ O ₃ on the structure and properties of titanium slag melt by molecular dynamics simulations. Journal of Materials Research and Technology, 2021, 15, 1046-1058.	5.8	13
6	Control of Coarse Precipitates of Titanium Nitride in High-Strength Low-Alloy Steel. Metal Science and Heat Treatment, 2020, 61, 534-542.	0.6	5
7	Quantifying the Effects of Combustion Gases' Radiation on Surface Temperature Measurements Using Two-Color Pyrometry. Energy & Fuels, 2019, 33, 3610-3619.	5.1	13
8	Dilatometric determination of four critical temperatures and phase transition fraction for austenite decomposition in hypo-eutectoid steels using peak separation method. Journal of Materials Research, 2018, 33, 967-977.	2.6	13
9	Uniform Secondary Cooling Pattern for Minimizing Surface Reheating of the Strand During Round Bloom Continuous Casting. Jom, 2018, 70, 237-242.	1.9	6
10	Structural and transport properties of FeO-TiO ₂ system through molecular dynamics simulations. Journal of Non-Crystalline Solids, 2018, 493, 57-64.	3.1	26
11	Crystallization Behaviors of Anosovite and Silicate Crystals in High CaO and MgO Titanium Slag. Metals, 2018, 8, 754.	2.3	10
12	Using differential scanning calorimetry to characterize the precipitation and dissolution of V(CN) and VC particles during continuous casting and reheating process. Journal of Materials Research, 2018, 33, 2784-2795.	2.6	1
13	Fluid Flow and Solidified Shell Remelting in F-EMS During Billet Continuous Casting. Jom, 2018, 70, 2059-2064.	1.9	6
14	Production of Synthetic Rutile from Molten Titanium Slag with the Addition of B ₂ O ₃ . Jom, 2017, 69, 1914-1919.	1.9	16
15	Fluid flow and heat transfer behavior of liquid steel in slab mold with different corner structures. Part 1: Mathematical model and verification. Numerical Heat Transfer; Part A: Applications, 2017, 72, 642-656.	2.1	10