

Helin Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8352823/publications.pdf>

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	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
2	Production of Synthetic Rutile from Molten Titanium Slag with the Addition of B ₂ O ₃ . Jom, 2017, 69, 1914-1919.	1.9	16
3	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
4	Quantifying the Effects of Combustion Gases'™ Radiation on Surface Temperature Measurements Using Two-Color Pyrometry. Energy & Fuels, 2019, 33, 3610-3619.	5.1	13
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	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
7	Crystallization Behaviors of Anosovite and Silicate Crystals in High CaO and MgO Titanium Slag. Metals, 2018, 8, 754.	2.3	10
8	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
9	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
10	Uniform Secondary Cooling Pattern for Minimizing Surface Reheating of the Strand During Round Bloom Continuous Casting. Jom, 2018, 70, 237-242.	1.9	6
11	Fluid Flow and Solidified Shell Remelting in F-EMS During Billet Continuous Casting. Jom, 2018, 70, 2059-2064.	1.9	6
12	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
13	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
14	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
15	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