

Hyunjin Yang

List of Publications by Year in descending order

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papers

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docs citations

14
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57
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modeling of Multiphase Flow in Steel Continuous Casting. ISIJ International, 2019, 59, 956-972.	1.4	27
2	Modeling Argon Gas Behavior in Continuous Casting of Steel. Jom, 2018, 70, 2148-2156.	1.9	17
3	Modeling Air Aspiration in Steel Continuous Casting Slide-Gate Nozzles. Metals, 2021, 11, 116.	2.3	12
4	Heat transfer in granular materials: effects of nonlinear heat conduction and viscous dissipation. Mathematical Methods in the Applied Sciences, 2013, 36, 1947-1964.	2.3	9
5	A Hybrid Eulerian-Eulerian Discrete-Phase Model of Turbulent Bubbly Flow. Journal of Fluids Engineering, Transactions of the ASME, 2018, 140, .	1.5	8
6	New Concepts for Prediction of Friction, Taper, and Evaluation of Powder Performance with an Advanced 3D Numerical Model for Continuous Casting of Steel Billets. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2760-2785.	2.1	7
7	Pressure Distribution and Flow Rate Behavior in Continuous-Casting Slide-Gate Systems: PFSG. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 1661-1680.	2.1	6
8	A 1D Analytical Model for Slag Infiltration during Continuous Casting of Steel under Non-Sinusoidal Mold Oscillation. Metals, 2020, 10, 1389.	2.3	4
9	Conduction and convection heat transfer in a dense granular suspension. Applied Mathematics and Computation, 2018, 332, 351-362.	2.2	3
10	Entropy Analysis for a Nonlinear Fluid with a Nonlinear Heat Flux Vector. Entropy, 2017, 19, 689.	2.2	2
11	Numerical Study of a Non-Linear Model for the Heat Flux Vector for Granular Materials. , 2012, , .		1
12	Hybrid Eulerian Eulerian Discrete Phase Model of Turbulent Bubbly Flow. , 2017, , .		1
13	Modeling of Argon Gas Behavior in Continuous Casting of Steel. Minerals, Metals and Materials Series, 2018, , 119-131.	0.4	1
14	Designing Non-Newtonian Mold Powders and Optimization of Process for Continuous Casting of Billet. Steel Research International, 0, , 2100379.	1.8	0