Zibing Hou

List of Publications by Year
in descending order

15 papers	134 citations	1307594 7 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	55 citing authors

#	Article	IF	Citations
1	Solidification Structure and Compactness Degree of Central Equiaxed Grain Zone in Continuous Casting Billet Using Cellular Automaton-Finite Element Method. ISIJ International, 2012, 52, 1301-1309.	1.4	45
2	Effect of the Induced Ferrite and Precipitates of Nbâ€“Ti Bearing Steel on the Ductility of Continuous Casting Slab. ISIJ International, 2014, 54, 1611-1620.	1.4	17
3	Periodicity of Carbon Element Distribution Along Casting Direction in Continuous-Casting Billet by Using Singular Spectrum Analysis. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1817-1826.	2.1	15
4	Morphology characteristics of solidification structure in high-carbon steel billet based on fractal theory. Journal of Materials Science, 2019, 54, 12851-12862.	3.7	12
5	Time-Series Analysis Technologies Applied to the Study of Carbon Element Distribution Along Casting Direction in Continuous-Casting Billet. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 1517-1529.	2.1	9
6	Influence of Superheat on Macrosegregation in Continuously Cast Steel Billet from Statistical Maximum Viewpoint. ISIJ International, 2021, 61, 844-852.	1.4	9
7	A method based on the centroid of segregation points: A Voronoi polygon application to solidification of alloys. Journal of Alloys and Compounds, 2018, 762, 508-519.	5.5	8
8	Effect of Cooling Rates on the Localâ€”Overall Morphology Characteristics of Solidification Structure at Different Stages for High Carbon Steel. Metals, 2021, 11, 1291.	2.3	6
9	An Application of Fractal Theory to Complex Macrostructure: Quantitatively Characterization of Segregation Morphology. ISIJ International, 2020, 60, 1188-1195.	1.4	6
10	Quantitative Characterization of Solidification Structure in Different Sections for Calculating the Permeability in Actual High-Carbon Steel Billet. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1132-1141.	2.1	3
11	Quantitative Correlation and Control Strategy for Element Content Fluctuation along Casting Direction in Central Area of Continuous Casting Billet. Metals, 2021, 11, 452.	2.3	2
12	A New Approach to Calculate the Velocity of Interdendritic Fluid Flow during Solidification Using Etched Surface Height of Actual Metal Ingot. Metals, 2021, 11, 927.	2.3	2
13	The Influence of the Induced Ferrite and Precipitates of Ti-bearing Steel on the Ductility of Continuous Casting Slab. High Temperature Materials and Processes, 2014, .	1.4	0
14	Characterization of Solidification Structure Morphology in High-Carbon Steel Billet by Fractal Dimension. Minerals, Metals and Materials Series, 2021, , 69-79.	0.4	0
15	Determining Alloy Nucleation Core Origin and Grain Refinement Strategy Based on the Dependence Degree of Content Difference. Metals, 2022, 12, 946.	2.3	0