

Zibing Hou

List of Publications by Year in descending order

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Version: 2024-02-01

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