

# Zhang Lifeng

## List of Publications by Citations

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226  
papers

3,736  
citations

30  
h-index

55  
g-index

235  
ext. papers

4,555  
ext. citations

2.2  
avg. IF

6.18  
L-index

#	Paper	IF	Citations
226	State of the Art in Evaluation and Control of Steel Cleanliness.. <i>ISIJ International</i> , <b>2003</b> , 43, 271-291	1.7	408
225	Mathematical Modeling of Iron and Steel Making Processes. Mathematical Modeling of Fluid Flow in Continuous Casting.. <i>ISIJ International</i> , <b>2001</b> , 41, 1181-1193	1.7	170
224	State of the art in the control of inclusions during steel ingot casting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2006</b> , 37, 733-761	2.5	164
223	Fluid flow and inclusion removal in continuous casting tundish. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2000</b> , 31, 253-266	2.5	152
222	Inclusion removal by bubble flotation in a continuous casting mold. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2006</b> , 37, 361-379	2.5	131
221	Investigation of Fluid Flow and Steel Cleanliness in the Continuous Casting Strand. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2007</b> , 38, 63-83	2.5	130
220	Formation and Modification of MgO/Al <sub>2</sub> O <sub>3</sub> -Based Inclusions in Alloy Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2012</b> , 43, 731-750	2.5	127
219	Flow Transport and Inclusion Motion in Steel Continuous-Casting Mold under Submerged Entry Nozzle Clogging Condition. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2008</b> , 39, 534-550	2.5	102
218	Removal of Iron From Aluminum: A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2012</b> , 33, 99-157	3.1	93
217	Fluid Flow-Related Transport Phenomena in Steel Slab Continuous Casting Strands under Electromagnetic Brake. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2011</b> , 42, 1319-1351	2.5	71
216	Nucleation, Growth, Transport, and Entrapment of Inclusions During Steel Casting. <i>Jom</i> , <b>2013</b> , 65, 1138-1144		66
215	Transient Evolution of Inclusions during Calcium Modification in Linepipe Steels. <i>ISIJ International</i> , <b>2014</b> , 54, 2772-2779	1.7	62
214	Detection of Non-metallic Inclusions in Steel Continuous Casting Billets. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2014</b> , 45, 1291-1303	2.5	58
213	Transformation of Oxide Inclusions in Type 304 Stainless Steels during Heat Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 2281-2292	2.5	58
212	Removal of Inclusions from Aluminum Through Filtration. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2010</b> , 41, 886-907	2.5	52
211	Extraction, Thermodynamic Analysis, and Precipitation Mechanism of MnS-TiN Complex Inclusions in Low-Sulfur Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 3015-3025	2.3	47
210	State of the Art in the Control of Inclusions in Tire Cord Steels - a Review. <i>Steel Research International</i> , <b>2006</b> , 77, 158-169	1.6	46

209	Investigation on the Effect of Nozzle Number on the Recirculation Rate and Mixing Time in the RH Process Using VOF + DPM Model. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 1950-1961	2.5	45
208	Stability Diagram of Mg-Al-O System Inclusions in Molten Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2015</b> , 46, 1809-1825	2.5	44
207	Effect of Slag Composition on Inclusions in Si-Deoxidized 18Cr-8Ni Stainless Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 1024-1034	2.5	43
206	Modeling the Entrapment of Nonmetallic Inclusions in Steel Continuous-Casting Billets. <i>Jom</i> , <b>2012</b> , 64, 1063-1074	2.1	43
205	Formation and Thermodynamics of Mg-Al-Ti-O Complex Inclusions in Mg-Al-Ti-Deoxidized Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2014</b> , 45, 2057-2071	2.5	41
204	Investigation on the Fluid Flow and Mixing Phenomena in a Ruhrstahl-Heraeus (RH) Steel Degasser Using Physical Modeling. <i>Jom</i> , <b>2014</b> , 66, 1227-1240	2.1	41
203	Fluid Flow, Heat Transfer and Inclusion Motion in a Four-Strand Billet Continuous Casting Tundish. <i>Steel Research International</i> , <b>2005</b> , 76, 784-796	1.6	40
202	Mathematical Modeling on the Growth and Removal of Non-metallic Inclusions in the Molten Steel in a Two-Strand Continuous Casting Tundish. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 2991-3012	2.5	39
201	Removal of Impurity Elements from Molten Aluminum: A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2011</b> , 32, 150-228	3.1	37
200	Cleanliness of Low Carbon Aluminum-Killed Steels during Secondary Refining Processes. <i>Steel Research International</i> , <b>2013</b> , 84, 473-489	1.6	35
199	Transformation of Inclusions in Linepipe Steels During Heat Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2019</b> , 50, 2047-2062	2.5	33
198	Effect of Cerium Content on Inclusions in an Ultra-Low-Carbon Aluminum-Killed Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2020</b> , 51, 589-600	2.5	33
197	Kinetic Modeling on Nozzle Clogging During Steel Billet Continuous Casting. <i>ISIJ International</i> , <b>2010</b> , 50, 712-720	1.7	33
196	Beneficial and technological analysis for the recycling of solar grade silicon wastes. <i>Jom</i> , <b>2011</b> , 63, 23-27	2.1	30
195	Deformability of Oxide Inclusions in Tire Cord Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 803-811	2.5	29
194	Transient Evolution of Nonmetallic Inclusions During Calcium Treatment of Molten Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 1841-1859	2.5	28
193	Numerical Simulation of the Growth and Removal of Inclusions in the Molten Steel of a Two-Strand Tundish. <i>Jom</i> , <b>2013</b> , 65, 1155-1163	2.1	27
192	Transformation of Inclusions in Pipeline Steels During Solidification and Cooling. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 2267-2273	2.5	26

191	Fluid Flow, Dissolution, and Mixing Phenomena in Argon-Stirred Steel Ladles. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 2722-2743	2.5	26
190	Evolution of Oxide Inclusions in Si-Mn Killed Steels During Hot-Rolling Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 2717-2730	2.5	25
189	Transient Behavior of Inclusions during Reoxidation of Si-killed Stainless Steels in Continuous Casting Tundish. <i>ISIJ International</i> , <b>2016</b> , 56, 584-593	1.7	25
188	Numerical Simulation of Steel and Argon Gas Two-Phase Flow in Continuous Casting Using LES + VOF + DPM Model. <i>Jom</i> , <b>2019</b> , 71, 1158-1168	2.1	25
187	Transient Fluid Flow Phenomena during Continuous Casting: Part II Cast Speed Change, Temperature Fluctuation, and Steel Grade Mixing. <i>ISIJ International</i> , <b>2010</b> , 50, 1783-1791	1.7	24
186	A Reaction Model for Prediction of Inclusion Evolution During Reoxidation of Ca-Treated Al-Killed Steels in Tundish. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 1433-1438	2.5	23
185	Thermodynamic Model for Prediction of Slag-Steel-Inclusion Reactions of 304 Stainless Steels. <i>ISIJ International</i> , <b>2017</b> , 57, 68-75	1.7	23
184	Effect of Sulfur in Steel on Transient Evolution of Inclusions During Calcium Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 610-626	2.5	23
183	Application of Electromagnetic (EM) Separation Technology to Metal Refining Processes: A Review. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2014</b> , 45, 2153-2185	2.5	23
182	Nucleation, Growth, and Aggregation of Alumina Inclusions in Steel. <i>Jom</i> , <b>2013</b> , 65, 1173-1180	2.1	22
181	Transient Fluid Flow Phenomena during Continuous Casting: Part III Cast Start. <i>ISIJ International</i> , <b>2010</b> , 50, 1777-1782	1.7	22
180	Large Eddy Simulation on the Fluid Flow, Solidification and Entrapment of Inclusions in the Steel Along the Full Continuous Casting Slab Strand. <i>Jom</i> , <b>2018</b> , 70, 2968-2979	2.1	21
179	Kinetic Modeling for the Dissolution of MgO Lining Refractory in Al-Killed Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 2195-2206	2.5	20
178	Influence of FC-Mold on the Full Solidification of Continuous Casting Slab. <i>Jom</i> , <b>2016</b> , 68, 2170-2179	2.1	19
177	Characterization of the Three-Dimensional Morphology and Formation Mechanism of Inclusions in Linepipe Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 701-712	2.5	19
176	Water Modeling of Self-Braking Submerged Entry Nozzle Used for Steel Continuous Casting Mold. <i>Jom</i> , <b>2012</b> , 64, 1080-1086	2.1	19
175	Effect of Superheat, Cooling Rate, and Refractory Composition on the Formation of Non-metallic Inclusions in Non-oriented Electrical Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2015</b> , 46, 2348-2360	2.5	18
174	Effects of Interphase Forces on Fluid Flow in Gas-Stirred Steel Ladles Using the Eulerian-Lagrangian Multiphase Approach. <i>Jom</i> , <b>2018</b> , 70, 2128-2138	2.1	18

173	Separation of Non-metallic Inclusions from Molten Steel Using High Frequency Electromagnetic Fields. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2014</b> , 45, 1915-1935	2.5	18
172	Control of Transverse Corner Cracks on Low-Carbon Steel Slabs. <i>Jom</i> , <b>2014</b> , 66, 1711-1720	2.1	18
171	Structure Optimization of Horizontal Continuous Casting Tundishes Using Mathematical Modeling and Water Modeling. <i>ISIJ International</i> , <b>2009</b> , 49, 1551-1560	1.7	18
170	Effect of non-metallic precipitates and grain size on core loss of non-oriented electrical silicon steels. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 451, 454-462	2.8	18
169	Characterization of MnS Particles in Heavy Rail Steels Using Different Methods. <i>Steel Research International</i> , <b>2017</b> , 88, 1600080	1.6	17
168	Kinetic Modeling of Nonmetallic Inclusions Behavior in Molten Steel: A Review. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2020</b> , 51, 2453-2482	2.5	17
167	Characteristics of Alumina-Based Inclusions in Low Carbon Al-Killed Steel under No-Stirring Condition. <i>Steel Research International</i> , <b>2013</b> , 84, 878-891	1.6	16
166	Large Eddy Simulation on the Two-Phase Flow in a Water Model of Continuous Casting Strand with Gas Injection. <i>Steel Research International</i> , <b>2019</b> , 90, 1800287	1.6	15
165	Simulation of the Fluid Flow-Related Phenomena in the Electrolyte of an Aluminum Electrolysis Cell. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2011</b> , 42, 1051-1064	2.5	15
164	Analysis on the Deflection Angle of Columnar Dendrites of Continuous Casting Steel Billets Under the Influence of Mold Electromagnetic Stirring. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 5496-5509	2.3	15
163	Thermodynamic and Kinetic Analysis for Transformation of Oxide Inclusions in Solid 304 Stainless Steels. <i>Steel Research International</i> , <b>2019</b> , 90, 1800600	1.6	15
162	Detection of Non-metallic Inclusions in Centrifugal Continuous Casting Steel Billets. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 1594-1612	2.5	13
161	Effect of Oxide Inclusions on the Magnetic Properties of Non-Oriented Electrical Steel. <i>Steel Research International</i> , <b>2018</b> , 89, 1800047	1.6	12
160	Entrapment of Inclusions by Solidified Hooks at the Subsurface of Ultra-Low-Carbon Steel Slab. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 3186-3199	2.5	12
159	Modeling on the Fluid Flow and Mixing Phenomena in a RH Steel Degasser with Oval Down-Leg Snorkel. <i>Steel Research International</i> , <b>2018</b> , 89, 1800048	1.6	12
158	Relationship Between Dissolved Calcium and Total Calcium in Al-Killed Steels After Calcium Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 1624-1631	2.5	12
157	Effect of Cooling Rate on Oxide Inclusions During Solidification of 304 Stainless Steel. <i>Steel Research International</i> , <b>2019</b> , 90, 1900027	1.6	11
156	Influence of Casting Parameters on Hooks and Entrapped Inclusions at the Subsurface of Continuous Casting Slabs. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2018</b> , 49, 5469-5477	2.3	11

155	Effect of the Gap Between Copper Mold and Solidified Shell on the Fluid Flow in the Continuous Casting Strand with Mold Electromagnetic Stirring. <i>Steel Research International</i> , <b>2020</b> , 91, 1900470	1.6	11
154	Determination for the Entrapment Criterion of Non-metallic Inclusions by the Solidification Front During Steel Centrifugal Continuous Casting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 1933-1949	2.5	11
153	Application of Si-Based Solvents to the Purification of Metallurgical Grade-Silicon. <i>Separation and Purification Reviews</i> , <b>2021</b> , 50, 115-138	7.3	11
152	Fluid Flow, Thermal Stratification, and Inclusion Motion During Holding Period in Steel Ladles. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2019</b> , 50, 1476-1489	2.5	10
151	Modelling inclusion evolution in AlMn-killed steels during ladle mixing process. <i>Ironmaking and Steelmaking</i> , <b>2018</b> , 45, 585-591	1.3	10
150	High-Frequency Electromagnetic Purification of Silicon. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2015</b> , 46, 2514-2528	2.5	10
149	Agglomeration of Solid Inclusions in Molten Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2019</b> , 50, 36-41	2.5	10
148	Mathematical Modeling of Initial Solidification and Slag Infiltration at the Meniscus of Slab Continuous Casting Mold. <i>Jom</i> , <b>2019</b> , 71, 78-87	2.1	10
147	Effects of Interphase Forces on Multiphase Flow and Bubble Distribution in Continuous Casting Strands. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2021</b> , 52, 528-547	2.5	10
146	Numerical Simulation of the Thermal Process in a W-Shape Radiant Tube Burner. <i>Jom</i> , <b>2014</b> , 66, 1253-1264	2.4	9
145	Formation and Deformation Mechanism of Al <sub>2</sub> O <sub>3</sub> -CaS Inclusions in Ca-Treated Non-Oriented Electrical Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2020</b> , 51, 200-212	2.5	9
144	Inclusion Capture Probability Prediction Model for Bubble Floatation in Turbulent Steel Flow. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2019</b> , 50, 16-21	2.5	9
143	Boron Removal from Metallurgical-Grade Silicon by Slag Refining and Gas Blowing Techniques: Experiments and Simulations. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 1386-1396	1.9	9
142	Numerical Simulation of Solidification Behavior and Solute Transport in Slab Continuous Casting with S-EMS. <i>Metals</i> , <b>2019</b> , 9, 452	2.3	8
141	Mathematical Modeling on the Influence of Casting Parameters on Initial Solidification at the Meniscus of Slab Continuous Casting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2019</b> , 50, 1444-1460	2.5	8
140	Numerical Simulation on the Oxidation of Lanthanum During the Electroslag Remelting Process. <i>Jom</i> , <b>2018</b> , 70, 2157-2168	2.1	8
139	A Simple Model to Calculate Dendrite Growth Rate during Steel Continuous Casting Process. <i>ISIJ International</i> , <b>2010</b> , 50, 1792-1796	1.7	8
138	Deformation and fracture of non-metallic inclusions in steel at different temperatures. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 15016-15022	5.5	8

137	Kinetic Prediction for the Composition of Inclusions in the Molten Steel During the Electroslag Remelting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2021</b> , 52, 1521-1531	2.5	8
136	Initial agglomeration of non-wetted solid particles in high temperature melt. <i>Chemical Engineering Science</i> , <b>2019</b> , 196, 14-24	4.4	8
135	Fluid Flow and Inclusion Behavior Around Spherical-Cap Bubbles. <i>Jom</i> , <b>2019</b> , 71, 69-77	2.1	8
134	Effect of calcium treatment on magnetic properties of non-oriented electrical steels. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 494, 165803	2.8	8
133	Mechanism and Control of Sulfide Inclusion Accumulation in CET Zone of 37Mn5 Round Billet. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2017</b> , 48, 1004-1013	2.5	7
132	Transformation of Inclusions in a Complicated-Deoxidized Heavy Rail Steels During Heating. <i>Steel Research International</i> , <b>2020</b> , 91, 2000120	1.6	7
131	Characterization and evolution of non-metallic inclusions in GCr15 bearing steels during cooling and solidification. <i>Ironmaking and Steelmaking</i> , <b>2020</b> , 47, 1217-1225	1.3	7
130	Influence of Electromagnetic Brake on Hook Growth and Inclusion Entrapment Beneath the Surface of Low-Carbon Continuous Casting Slabs. <i>Steel Research International</i> , <b>2018</b> , 89, 1800263	1.6	7
129	Modeling on Fluid Flow and Inclusion Motion in Centrifugal Continuous Casting Strands. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 2623-2642	2.5	7
128	Effect of Melt Superheat and Alloy Size on the Mixing Phenomena in Argon-Stirred Steel Ladles. <i>Steel Research International</i> , <b>2019</b> , 90, 1800288	1.6	7
127	The effect of Al content on the wettability between liquid iron and MgOAl <sub>2</sub> O <sub>3</sub> binary substrate. <i>Ceramics International</i> , <b>2019</b> , 45, 11287-11295	5.1	6
126	A Method to Control the Transverse Corner Cracks on a Continuous Casting Slab by Combining Microstructure Analysis with Numerical Simulation of the Slab Temperature Field. <i>Steel Research International</i> , <b>2018</b> , 89, 1700480	1.6	6
125	Measurements of surface velocity and level fluctuation in an actual continuous wide slab casting mold. <i>Metallurgical Research and Technology</i> , <b>2018</b> , 115, 102	0.9	6
124	Wettability between molten slag and dolomitic refractory. <i>Ceramics International</i> , <b>2016</b> , 42, 16040-16048	3.1	6
123	Three-Dimensional Distribution of Hooks in Al-Killed Low-Carbon Continuous Casting Steel Slabs. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 2533-2549	2.5	6
122	Effect of Al <sub>2</sub> O <sub>3</sub> SiO <sub>2</sub> MnO inclusions on precipitation of MnS in Si-Mn-killed 304 stainless steels. <i>Ironmaking and Steelmaking</i> , <b>2019</b> , 46, 558-563	1.3	6
121	Mathematical Modeling on the Removal of Impurity Elements from Molten Aluminum. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2012</b> , 33, 1-54	3.1	6
120	Computational Fluid Dynamics Modeling: Application to Transport Phenomena During the Casting Process. <i>Jom</i> , <b>2012</b> , 64, 1059-1062	2.1	6

119	Three-Dimensional Characterization of Defects in Continuous Casting Blooms of Heavy Rail Steel Using X-ray Computed Tomography. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2021</b> , 52, 2327-2340	2.5	6
118	Modification of inclusions by Al and Ca in ferrosilicon during alloying process of 18Cr8Ni stainless steels. <i>Ironmaking and Steelmaking</i> , <b>2020</b> , 47, 40-46	1.3	6
117	Effect of Mold Electromagnetic Stirring and Final Electromagnetic Stirring on the Solidification Structure and Macrosegregation in Bloom Continuous Casting. <i>Steel Research International</i> , <b>2021</b> , 92, 2000661	1.6	6
116	Formation and Control of Transverse Corner Cracks in the Continuous Casting Slab of a Microalloyed Steel. <i>Steel Research International</i> , <b>2021</b> , 92, 2000649	1.6	6
115	A Mathematical Model for Prediction of Carbon Concentration During RH Refining Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 2963-2968	2.5	6
114	Bubble Motion and Gas-Liquid Mixing in Metallurgical Reactor with a Top Submerged Lance. <i>International Journal of Chemical Reactor Engineering</i> , <b>2017</b> , 15,	1.2	5
113	Motion of Single Bubble and Interactions between Two Bubbles in Liquid Steel. <i>ISIJ International</i> , <b>2017</b> , 57, 805-813	1.7	5
112	Formation Mechanism of Complex Oxide Inclusions in 55SiCr Spring Steels. <i>Steel Research International</i> , <b>2018</b> , 89, 1700277	1.6	5
111	Waste Heat Recovery from Metal Industries. <i>Jom</i> , <b>2012</b> , 64, 982-984	2.1	5
110	Dependence of the Clogging Possibility of the Submerged Entry Nozzle during Steel Continuous Casting Process on the Liquid Fraction of Non-Metallic Inclusions in the Molten Al-Killed Ca-Treated Steel. <i>Metals</i> , <b>2020</b> , 10, 1205	2.3	5
109	Transient influence of cerium on inclusions in an Al-killed non-oriented electrical steel. <i>Ironmaking and Steelmaking</i> , <b>2021</b> , 48, 191-199	1.3	5
108	Effect of cerium on the wettability between 304 stainless steel and MgO-Al <sub>2</sub> O <sub>3</sub> -based lining refractory. <i>Ceramics International</i> , <b>2020</b> , 46, 15674-15685	5.1	4
107	Formation Mechanism of MgO Containing Inclusions in the Molten Steel Refined in MgO Refractory Crucibles. <i>Metals</i> , <b>2020</b> , 10, 444	2.3	4
106	Evolution of Non-metallic Inclusions and Precipitates in Oriented Silicon Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 926-932	2.5	4
105	Modeling on the solidification structure of Fe-Ni-based alloys using cellular automaton method. <i>Metallurgical Research and Technology</i> , <b>2016</b> , 113, 410	0.9	4
104	Investigation on Fluid Flow inside a Continuous Slab Casting Mold Using Particle Image Velocimetry. <i>Steel Research International</i> , <b>2019</b> , 90, 1900209	1.6	4
103	Pinning Effect of Oxide Particles on Grain Boundaries of a Low Aluminum Non-oriented Electrical Steel. <i>Steel Research International</i> , <b>2020</b> , 91, 1900303	1.6	4
102	Three-Dimensional Macrosegregation Model of Bloom in Curved Continuous Casting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2021</b> , 52, 2796-2805	2.5	4



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89	Effect of Temperature and Multichannel Stopper Rod on Bubbles in Water Model of a Steel Continuous Caster. <i>Steel Research International</i> , <b>2021</b> , 92, 2100067	1.6	3
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84	Evolution of Nonmetallic Inclusions during the Electroslag Remelting Process. <i>Steel Research International</i> , <b>2021</b> , 92, 2000629	1.6	3

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