

PÃr G JÃnsson

List of Publications by Year in descending order

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201674

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all docs

232
docs citations

232
times ranked

1900
citing authors

#	ARTICLE	IF	CITATIONS
19	Mathematical Modeling of Scrap Melting in an EAF Using Electromagnetic Stirring. ISIJ International, 2013, 53, 48-55.	1.4	33
20	Effect of Sulfur Content on Inclusion and Microstructure Characteristics in Steels with Ti ₂ O ₃ and TiO ₂ Additions. ISIJ International, 2014, 54, 2907-2916.	1.4	32
21	Pyrolysis of raw and anaerobically digested organic fractions of municipal solid waste: Kinetics, thermodynamics, and product characterization. Chemical Engineering Journal, 2021, 415, 129064.	12.7	32
22	Non-metallic Inclusions in Different Ferroalloys and Their Effect on the Steel Quality: A Review. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2892-2925.	2.1	32
23	Mixing Time in a Side-Blown Converter. ISIJ International, 2010, 50, 663-667.	1.4	31
24	Application of Extreme Value Analysis for Two- and Three-Dimensional Determinations of the Largest Inclusion in Metal Samples. ISIJ International, 2011, 51, 593-602.	1.4	31
25	Energy Consumption and Greenhouse Gas Emissions of Nickel Products. Energies, 2020, 13, 5664.	3.1	31
26	Two-stage ex-situ catalytic pyrolysis of lignocellulose for the production of gasoline-range chemicals. Journal of Analytical and Applied Pyrolysis, 2018, 134, 454-464.	5.5	30
27	Process model of inclusion separation in a stirred steel ladle. Scandinavian Journal of Metallurgy, 2005, 34, 41-56.	0.3	29
28	Application of Different Extraction Methods for Investigation of Nonmetallic Inclusions and Clusters in Steels and Alloys. Advances in Materials Science and Engineering, 2014, 2014, 1-7.	1.8	29
29	The effect of inclusion composition on tool wear in hard part turning using PCBN cutting tools. Wear, 2015, 334-335, 13-22.	3.1	29
30	Inclusion and Microstructure Characteristics in Steels with TiN Additions. Steel Research International, 2016, 87, 339-348.	1.8	28
31	A Kinetic Model of Mass Transfer and Chemical Reactions at a Steel/Slag Interface under Effect of Interfacial Tensions. ISIJ International, 2019, 59, 737-748.	1.4	28
32	Synergistic effects in the copyrolysis of municipal sewage sludge digestate and salix: Reaction mechanism, product characterization and char stability. Applied Energy, 2021, 289, 116687.	10.1	28
33	Inclusion Behavior under a Swirl Flow in a Submerged Entry Nozzle and Mold. Steel Research International, 2015, 86, 341-360.	1.8	26
34	A Model Study of Inclusions Deposition, Macroscopic Transport, and Dynamic Removal at Steel-Slag Interface for Different Tundish Designs. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1916-1932.	2.1	26
35	Synergistic effect of the co-pyrolysis of cardboard and polyethylene: A kinetic and thermodynamic study. Energy, 2021, 229, 120693.	8.8	26
36	The Use of an Enhanced Eulerian Deposition Model to Investigate Nozzle Clogging During Continuous Casting of Steel. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 2414-2424.	2.1	25

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37	Effect of Si and Ce Contents on the Nozzle Clogging in a REM Alloyed Stainless Steel. <i>Steel Research International</i> , 2015, 86, 1279-1288.	1.8	25
38	Ferrite Formation Dynamics and Microstructure Due to Inclusion Engineering in Low-Alloy Steels by Ti ₂ O ₃ and TiN Addition. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 2133-2147.	2.1	25
39	Evaluation of Agglomeration Mechanisms of Non-metallic Inclusions and Cluster Characteristics Produced by Ti/Al Complex Deoxidation in Fe-10mass% Ni Alloy. <i>ISIJ International</i> , 2016, 56, 1204-1209.	1.4	24
40	A Numerical Study about the Influence of a Bubble Wake Flow on the Removal of Inclusions. <i>ISIJ International</i> , 2016, 56, 1982-1988.	1.4	24
41	Interpretable Machine Learning Tools to Interpret the Predictions of a Machine Learning Model Predicting the Electrical Energy Consumption of an Electric Arc Furnace. <i>Steel Research International</i> , 2020, 91, 2000053.	1.8	24
42	Arc characteristics in gas-metal arc welding of aluminum using argon as the shielding gas. <i>Journal of Applied Physics</i> , 1993, 74, 5997-6006.	2.5	23
43	Most relevant mechanisms of inclusion growth in an induction-stirred ladle. <i>Scandinavian Journal of Metallurgy</i> , 2002, 31, 210-220.	0.3	23
44	Combination of In Situ Microscopy and Calorimetry to Study Austenite Decomposition in Inclusion Engineered Steels. <i>Steel Research International</i> , 2016, 87, 10-14.	1.8	23
45	Effect of Carbon Content on the Potency of the Intragranular Ferrite Formation. <i>Steel Research International</i> , 2016, 87, 311-319.	1.8	23
46	Predicting the Electrical Energy Consumption of Electric Arc Furnaces Using Statistical Modeling. <i>Metals</i> , 2019, 9, 959.	2.3	23
47	The effect of swirl flow in an immersion nozzle on the heat and fluid flow in a billet continuous casting mold. <i>Scandinavian Journal of Metallurgy</i> , 2004, 33, 22-28.	0.3	22
48	On the deposition of particles in liquid metals onto vertical ceramic walls. <i>International Journal of Multiphase Flow</i> , 2014, 62, 152-160.	3.4	22
49	Key Lubrication Concepts to Understand the Role of Flow, Heat Transfer and Solidification for Modelling Defect Formation during Continuous Casting. <i>ISIJ International</i> , 2018, 58, 201-210.	1.4	22
50	Attraction Force Estimations of Al ₂ O ₃ Particle Agglomerations in the Melt. <i>Steel Research International</i> , 2017, 88, 1600090.	1.8	21
51	Effect of H ₂ as Pyrolytic Agent on the Product Distribution during Catalytic Fast Pyrolysis of Biomass Using Zeolites. <i>Energy & Fuels</i> , 2018, 32, 8530-8536.	5.1	21
52	Three-dimensional Investigations of Inclusions in Ferroalloys. <i>Steel Research International</i> , 2014, 85, 659-669.	1.8	20
53	Wettability of TiN by Liquid Iron and Steel. <i>ISIJ International</i> , 2015, 55, 1642-1651.	1.4	20
54	Effect of the Sliding Velocity on the Size and Amount of Airborne Wear Particles Generated from Dry Sliding Wheel-Rail Contacts. <i>Tribology Letters</i> , 2016, 63, 1.	2.6	20

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55	Kinetic Study of an H-ZSM-5/Al ^{III} -MCM-41 Catalyst Mixture and Its Application in Lignocellulose Biomass Pyrolysis. <i>Energy & Fuels</i> , 2019, 33, 5360-5367.	5.1	20
56	A New Tundish Design to Produce a Swirling Flow in the SEN During Continuous Casting of Steel. <i>Steel Research International</i> , 2016, 87, 1356-1365.	1.8	19
57	Numerical and Physical Study on a Cylindrical Tundish Design to Produce a Swirling Flow in the SEN During Continuous Casting of Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 2695-2706.	2.1	19
58	Effect of Thermal Buoyancy on Fluid Flow and Residence-Time Distribution in a Single-Strand Tundish. <i>Materials</i> , 2021, 14, 1906.	2.9	19
59	Physical-modeling Study of Fluid Flow and Gas Penetration in a Side-blown AOD Converter. <i>ISIJ International</i> , 2006, 46, 523-529.	1.4	19
60	Effect of Top Slag Composition on Inclusion Characteristics during Vacuum Degassing of Tool Steel. <i>Steel Research International</i> , 2007, 78, 522-530.	1.8	18
61	Analysis of Largest Sulfide Inclusions in Low Carbon Steel by Using Statistics of Extreme Values. <i>Steel Research International</i> , 2011, 82, 313-322.	1.8	18
62	A Mathematical Modeling Study of Bubble Formations in a Molten Steel Bath. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2628-2638.	2.1	18
63	Non-Metallic Inclusion Behaviors in a New Tundish and SEN Design Using a Swirling Flow during Continuous Casting of Steel. <i>Steel Research International</i> , 2017, 88, 1600155.	1.8	18
64	The Effect of a High Al Content on the Variation of the Total Oxygen Content in the Steel Melt during a Secondary Refining Process. <i>Steel Research International</i> , 2018, 89, 1700287.	1.8	18
65	Influence of Manufacturing Conditions on Inclusion Characteristics and Mechanical Properties of FeCrNiMnCo Alloy. <i>Metals</i> , 2020, 10, 1286.	2.3	18
66	Pyrolysis performance of peat moss: A simultaneous in-situ thermal analysis and bench-scale experimental study. <i>Fuel</i> , 2020, 277, 118173.	6.4	18
67	Effect of Secondary Nitride Particles on Grain Growth in a Fe-20 mass% Cr Alloy Deoxidised with Ti and Zr. <i>ISIJ International</i> , 2013, 53, 476-483.	1.4	18
68	A Model of an Induction-stirred Ladle Accounting for Slag and Surface Deformation.. <i>ISIJ International</i> , 1999, 39, 772-778.	1.4	17
69	Evaluation of Inclusion Characteristics in Low-Alloyed Steels by Mainly Using PDA/OES Method. <i>ISIJ International</i> , 2015, 55, 2173-2181.	1.4	17
70	Sintering behaviour of the protonic conductors BaZrxCe0.8-xLn0.2O3- δ (x=0.8, 0.5, 0.1; Ln=Y, Sm, Gd, Dy) during the solid-state reactive-sintering process. <i>Ceramics International</i> , 2015, 41, 2558-2564.	4.8	17
71	Effect of the Ti, Al Contents on the Inclusion Characteristics in Steels with TiO ₂ and TiN Particle Additions. <i>Steel Research International</i> , 2016, 87, 911-920.	1.8	17
72	A Kinetic Model on Oxygen Transfer at a Steel/Slag Interface under Effect of Interfacial Tension. <i>ISIJ International</i> , 2018, 58, 1979-1988.	1.4	17

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73	Effect of H-ZSM-5 and Al-MCM-41 Proportions in Catalyst Mixtures on the Composition of Bio-Oil in Ex-Situ Catalytic Pyrolysis of Lignocellulose Biomass. <i>Catalysts</i> , 2020, 10, 868.	3.5	17
74	Comparison of Nonmetallic Inclusion Characteristics in Metal Samples Using 2D and 3D Methods. <i>Steel Research International</i> , 2020, 91, 1900669.	1.8	17
75	Using Statistical Modeling to Predict the Electrical Energy Consumption of an Electric Arc Furnace Producing Stainless Steel. <i>Metals</i> , 2020, 10, 36.	2.3	17
76	Novel carbon-negative methane production via integrating anaerobic digestion and pyrolysis of organic fraction of municipal solid waste. <i>Energy Conversion and Management</i> , 2022, 252, 115042.	9.2	17
77	An in-Depth Model-Based Analysis of Decarburization in the AOD Process. <i>Steel Research International</i> , 2012, 83, 1039-1052.	1.8	16
78	Fundamental decarburisation model of AOD process. <i>Ironmaking and Steelmaking</i> , 2013, 40, 390-397.	2.1	16
79	Dynamic Precipitation Behavior of Secondary M7C3 Carbides in Ti-alloyed High Chromium Cast Iron. <i>ISIJ International</i> , 2013, 53, 1237-1244.	1.4	16
80	The Influence of Swirl Flow on the Flow Field, Temperature Field and Inclusion Behavior when Using a Half Type Electromagnetic Swirl Flow Generator in a Submerged Entry and Mold. <i>Steel Research International</i> , 2015, 86, 1312-1327.	1.8	16
81	Dense and translucent BaZr _x Ce _{0.8-x} Y _{0.2} O _{3-δ} (x = 0.5, 0.6, 0.7) proton conductors prepared by spark plasma sintering. <i>Scripta Materialia</i> , 2015, 107, 145-148.	5.2	16
82	Comparison of Euler-Euler Approach and Euler-Lagrange Approach to Model Gas Injection in a Ladle. <i>Steel Research International</i> , 2019, 90, 1800494.	1.8	16
83	Magnetic bio-activated carbons production using different process parameters for phosphorus removal from artificially prepared phosphorus-rich and domestic wastewater. <i>Chemosphere</i> , 2021, 271, 129561.	8.2	16
84	Mechanism of a CaS Formation in an Al-Killed High-S Containing Steel during a Secondary Refining Process without a Ca-Treatment. <i>Steel Research International</i> , 2017, 88, 1700147.	1.8	15
85	A Study on the Nonmetallic Inclusion Motions in a Swirling Flow Submerged Entry Nozzle in a New Cylindrical Tundish Design. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 723-736.	2.1	15
86	Renewable hydrogen production from the organic fraction of municipal solid waste through a novel carbon-negative process concept. <i>Energy</i> , 2022, 252, 124056.	8.8	15
87	Characterization of Metal Droplets in Slag after Desulfurization of Hot Metal. <i>ISIJ International</i> , 2015, 55, 570-577.	1.4	14
88	Transport properties of BaZr _{0.5} Ce _{0.3} Y _{0.2} O _{3-δ} proton conductor prepared by spark plasma sintering. <i>Ceramics International</i> , 2016, 42, 4393-4399.	4.8	14
89	The role of process control on the steel cleanliness. <i>Ironmaking and Steelmaking</i> , 2018, 45, 114-124.	2.1	14
90	Energy Consumption and Greenhouse Gas Emissions During Ferromolybdenum Production. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 103-112.	2.3	14

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91	Primary fragmentation behavior of refuse derived fuel pellets during rapid pyrolysis. Fuel Processing Technology, 2021, 216, 106796.	7.2	14
92	Change of Inclusion Characteristics during Vacuum Degassing of Tool Steel. Steel Research International, 2006, 77, 392-400.	1.8	13
93	Heat Transfer Modelling of a Blast Furnace Hearth. Steel Research International, 2010, 81, 186-196.	1.8	13
94	Mathematical Model of Solid Flow Behavior in a Real Dimension Blast Furnace. ISIJ International, 2013, 53, 979-987.	1.4	13
95	The Global Societal Steel Scrap Reserves and Amounts of Losses. Resources, 2016, 5, 27.	3.5	13
96	The Influence of Microstructure and Non-Metallic Inclusions on the Machinability of Clean Steels. Steel Research International, 2017, 88, 1600111.	1.8	13
97	Observed behavior of various oxide inclusions in front of a solidifying low-carbon steel shell. Journal of Materials Science, 2010, 45, 2157-2164.	3.7	12
98	Turbulent Flow Phenomena and Ce ₂ O ₃ Behavior during a Steel Teeming Process. ISIJ International, 2013, 53, 792-801.	1.4	12
99	An Experimental and Thermodynamic Study of Non-Metallic Inclusions in High Si Stainless Steels Regarding Clogging During Casting. Steel Research International, 2014, 85, 1410-1417.	1.8	12
100	Application of a Swirling Flow Producer in a Conventional Tundish during Continuous Casting of Steel. ISIJ International, 2017, 57, 2175-2184.	1.4	12
101	Numerical Study on the Influence of a Swirling Flow Tundish on Multiphase Flow and Heat Transfer in Mold. Metals, 2018, 8, 368.	2.3	12
102	Catalytic Pyrolysis of Lignocellulosic Biomass: The Influence of the Catalyst Regeneration Sequence on the Composition of Upgraded Pyrolysis Oils over a H-ZSM-5/Al-MCM-41 Catalyst Mixture. ACS Omega, 2020, 5, 28992-29001.	3.5	12
103	The Effect of Ladle Treatment on Inclusion Composition in Tool Steel Production. Steel Research International, 2008, 79, 261-270.	1.8	11
104	Mathematical Modeling of VOD Oxygen Nozzle Jets. Steel Research International, 2011, 82, 249-259.	1.8	11
105	Influence of ladle slag additions on BOF process performance. Ironmaking and Steelmaking, 2012, 39, 378-385.	2.1	11
106	An Experimental and Numerical Study of Swirling Flow Generated by TurboSwirl in an Uphill Teeming Ingot Casting Process. ISIJ International, 2016, 56, 1404-1412.	1.4	11
107	The effect of NiO on the conductivity of BaZr _{0.5} Ce _{0.3} Y _{0.2} O _{3-δ} based electrolytes. RSC Advances, 2016, 6, 62368-62377.	3.6	11
108	Modification of Non-Metallic Inclusions in Stainless Steel by Addition of CaSi. Metals, 2019, 9, 74.	2.3	11

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109	Utilization of fly ash and waste lime from pulp and paper mills in the Argon Oxygen Decarburization process. <i>Journal of Cleaner Production</i> , 2020, 261, 121182.	9.3	11
110	Inclusions in commercial low and medium carbon ferromanganese. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 1049-1056.	2.2	10
111	A Three-dimensional Phase Model of Gas Injection in AOD Converters. <i>Steel Research International</i> , 2014, 85, 376-387.	1.8	10
112	Design of Magnetic Fields for Half and Full Type Electromagnetic Swirl Flow Generators. <i>Steel Research International</i> , 2015, 86, 361-374.	1.8	10
113	Deposition of particles in liquid flows in horizontal straight channels. <i>International Journal of Heat and Fluid Flow</i> , 2016, 62, 166-173.	2.4	10
114	Effect of Immersion Depth of a Swirling Flow Tundish SEN on Multiphase Flow and Heat Transfer in Mold. <i>Metals</i> , 2018, 8, 910.	2.3	10
115	Mathematical Modelling Study of Dynamic Composition Change of Steel and Mold Flux in Continuous Casting of Steel. <i>ISIJ International</i> , 2019, 59, 2024-2035.	1.4	10
116	Origin of the Inclusions in Production-Scale Electrodes, ESR Ingots, and PESR Ingots in a Martensitic Stainless Steel. <i>Metals</i> , 2020, 10, 1620.	2.3	10
117	Distribution of metal droplets in top slags during ladle treatment. <i>Ironmaking and Steelmaking</i> , 2008, 35, 575-588.	2.1	9
118	Methodological Progress for Computer Simulation of Solidification and Casting. <i>ISIJ International</i> , 2010, 50, 1724-1734.	1.4	9
119	Petrographical study of microstructural evolution of EAF duplex stainless steelmaking slags. <i>Ironmaking and Steelmaking</i> , 2011, 38, 90-100.	2.1	9
120	Effect of TurboSwirl Structure on an Uphill Teeming Ingot Casting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2652-2665.	2.1	9
121	An Investigation of Non-Metallic Inclusions in Different Ferroalloys using Electrolytic Extraction. <i>Metals</i> , 2019, 9, 687.	2.3	9
122	The Use of High-Alloyed EAF Slag for the Neutralization of On-Site Produced Acidic Wastewater: The First Step Towards a Zero-Waste Stainless-Steel Production Process. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3974.	2.5	9
123	Effect of swirling flow tundish submerged entry nozzle outlet design on multiphase flow and heat transfer in mould. <i>Ironmaking and Steelmaking</i> , 2019, 46, 911-920.	2.1	9
124	Effect of Inclusions on the Corrosion Properties of the Nickel-Based Alloys 718 and EP718. <i>Metals</i> , 2020, 10, 1177.	2.3	9
125	Effect of LCFeCr Alloy Additions on the Non-metallic Inclusion Characteristics in Ti-Containing Ferritic Stainless Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 3815-3832.	2.1	9
126	Pyrolysis of engineered beach-cast seaweed: Performances and life cycle assessment. <i>Water Research</i> , 2022, 222, 118875.	11.3	9

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127	Studies of the decarburisation phenomena during preheating of submerged entry nozzles (SEN) in continuous casting processes. <i>Ironmaking and Steelmaking</i> , 2017, 44, 108-116.	2.1	8
128	Assessment of a Simplified Correlation Between Wettability Measurement and Dispersion/Coagulation Potency of Oxide Particles in Ferrous Alloy Melt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 2229-2237.	2.1	8
129	Mathematical Modeling of Iron and Steel Making Processes. A Mathematical Model of the Heat Transfer and Fluid Flow in AOD Nozzles and its Use to Study the Conditions at the Gas/Steel Interface.. <i>ISIJ International</i> , 2001, 41, 1156-1164.	1.4	8
130	Partial Equilibrium Prediction of Solidification and Carbide Precipitation in Ti-added High Cr Cast Irons. <i>ISIJ International</i> , 2014, 54, 374-383.	1.4	8
131	Application of Statistics of Extreme Values for Inclusions in Stainless Steel on Different Stages of Steel Making Process. <i>ISIJ International</i> , 2011, 51, 2056-2063.	1.4	7
132	Investigating the Effect of Slag on Decarburization in an AOD Converter Using a Fundamental Model. <i>Steel Research International</i> , 2013, 84, 169-177.	1.8	7
133	Optimisation of stirring conditions during vacuum degassing in order to lower inclusion content in tool steel. <i>Ironmaking and Steelmaking</i> , 2013, 40, 231-237.	2.1	7
134	Uphill Teeming Utilizing TurboSwirl to Control Flow Pattern in Mold. <i>Steel Research International</i> , 2013, 84, 837-844.	1.8	7
135	Oxidation of Water Atomized Metal Powders. <i>Steel Research International</i> , 2014, 85, 1629-1638.	1.8	7
136	A Comparative CFD Study on Simulating Flameless Oxy-Fuel Combustion in a Pilot-Scale Furnace. <i>Journal of Combustion</i> , 2016, 2016, 1-11.	1.0	7
137	Experimental Validation and Numerical Analysis of the Swirling Flow in a Submerged Entry Nozzle and Mold by Using a Reverse TurboSwirl in a Billet Continuous Casting Process. <i>Steel Research International</i> , 2017, 88, 1600339.	1.8	7
138	A physical modelling study to determine the influence of slag on the fluid flow in the AOD converter process. <i>Ironmaking and Steelmaking</i> , 2018, 45, 944-950.	2.1	7
139	Numerical investigation of thermal performance augmentation of nanofluid flow in microchannel heat sinks by using of novel nozzle structure: sinusoidal cavities and rectangular ribs. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	7
140	Direct Reduction of Fe, Ni and Cr from Oxides of Waste Products Used in Briquettes for Slag Foaming in EAF. <i>Materials</i> , 2019, 12, 3434.	2.9	7
141	Physical and Numerical Modelling on the Mixing Condition in a 50 t Ladle. <i>Metals</i> , 2019, 9, 1136.	2.3	7
142	Modeling the Effect of Scrap on the Electrical Energy Consumption of an Electric Arc Furnace. <i>Processes</i> , 2020, 8, 1044.	2.8	7
143	Numerical Investigations on Bubble Behavior at a Steel-Slag Interface. <i>Steel Research International</i> , 2020, 91, 1900611.	1.8	7
144	Driving investments in ore beneficiation and scrap upgrading to meet an increased demand from the direct reduction-EAF route. <i>Mineral Economics</i> , 2022, 35, 203-220.	2.8	7

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145	Effects of Primary Oxide and Oxide-Nitride Particles on the Solidification Structure in a Fe-20 mass%Cr Alloy Deoxidised with Ti and M (M = Zr or Ce). ISIJ International, 2013, 53, 221-229.	1.4	7
146	An Experimental Study of the Velocity Field during Filling of an Ingot Mould. Steel Research International, 2003, 74, 423-430.	1.8	6
147	Simulation of the Steel Sampling Process. ISIJ International, 2010, 50, 1746-1755.	1.4	6
148	Mathematical Comparison of Two VOD Nozzle Jets. ISIJ International, 2011, 51, 1637-1646.	1.4	6
149	Preparation of 30mol.% Y-doped hafnia ($\text{Hf}_{0.7}\text{Y}_{0.3}\text{O}_{2-\delta}$) using a modified solid-state reaction method. Ceramics International, 2015, 41, 2611-2615.	4.8	6
150	Investigation of Slag Foaming by Additions of Briquettes in the EAF during Stainless Steel Production. Steel Research International, 2015, 86, 146-153.	1.8	6
151	Importance of the Penetration Depth and Mixing in the IRONARC Process. ISIJ International, 2018, 58, 1210-1217.	1.4	6
152	Application of Fly Ash from Pulp and Paper Industries as Slag Formers in Electric Arc Furnace Stainless Steel Production. Steel Research International, 2020, 91, 2000050.	1.8	6
153	The effects of oil/MWCNT nanofluids and geometries on the solid oxide fuel cell cooling systems: a CFD study. Journal of Thermal Analysis and Calorimetry, 2021, 144, 245-256.	3.6	6
154	Interfacial Reactions and Inclusion Formations at an Early Stage of FeNb Alloy Additions to Molten Iron. ISIJ International, 2021, 61, 209-218.	1.4	6
155	Neutralization of Acidic Wastewater from a Steel Plant by Using CaO-Containing Waste Materials from Pulp and Paper Industries. Materials, 2021, 14, 2653.	2.9	6
156	Interfacial Phenomena and Inclusion Formation Behavior at Early Melting Stages of HCFeCr and LCFeCr Alloys in Liquid Iron. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2459-2473.	2.1	6
157	Preliminary investigation of influence of temperature on decarburisation using fundamental AOD model. Ironmaking and Steelmaking, 2013, 40, 551-558.	2.1	5
158	Application of pulse distribution analysis with optical emission spectroscopy (PDA/OES) method during production of duplex stainless steel. Ironmaking and Steelmaking, 2016, 43, 121-129.	2.1	5
159	Physical Modeling Study on the Mixing in the New IronArc Process. Steel Research International, 2018, 89, 1700555.	1.8	5
160	Mathematical Modelling of the Initial Mold Filling with Utilization of an Angled Runner. Metals, 2019, 9, 693.	2.3	5
161	Modification of Non-Metallic Inclusions in Oil-Pipeline Steels by Ca-Treatment. Metals, 2019, 9, 391.	2.3	5
162	Characterization of non-metallic inclusions in corrosion -resistance nickel - based EP718 and 718 alloys by using electrolytic extraction method. E3S Web of Conferences, 2019, 121, 04004.	0.5	5

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163	Assessment of Mechanisms for Particle Migration in Semi-Solid High Pressure Die Cast Aluminium-Silicon Alloys. <i>Journal of Manufacturing and Materials Processing</i> , 2020, 4, 51.	2.2	5
164	Study of dynamic refractory wear by slags containing very high FeO contents under steelmaking conditions. <i>Ironmaking and Steelmaking</i> , 2021, 48, 607-618.	2.1	5
165	Estimation of the Maximum Carbide Size in a Hypereutectic High Chromium Cast Iron Alloyed with Titanium. <i>ISIJ International</i> , 2013, 53, 2176-2183.	1.4	5
166	Investigation of the Initial Corrosion Destruction of a Metal Matrix around Different Non-Metallic Inclusions on Surfaces of Pipeline Steels. <i>Materials</i> , 2022, 15, 2530.	2.9	5
167	Influence of ladle slag additions on BOF process under production conditions. <i>Ironmaking and Steelmaking</i> , 2012, 39, 318-326.	2.1	4
168	Influence of Liquid Metal Properties on Water Atomised Iron Powders. <i>ISIJ International</i> , 2012, 52, 2130-2138.	1.4	4
169	A Study of Post-Combustion in an AOD Flue. <i>Steel Research International</i> , 2014, 85, 1173-1184.	1.8	4
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