

Guangqiang Li

List of Publications by Year in descending order

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254
papers

4,760
citations

117453

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all docs

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docs citations

256
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption mechanism of oxide inclusions by microporous magnesia aggregates in tundish. <i>Ceramics International</i> , 2022, 48, 427-435.	2.3	10
2	In-situ preparation of SiC reinforced Si ₃ N ₄ ceramics aerogels by foam-gelcasting method. <i>Ceramics International</i> , 2022, 48, 1166-1172.	2.3	11
3	Comparison study on effect of nano-sized Al ₂ O ₃ addition on the corrosion resistance of microporous magnesia aggregates against tundish slag. <i>Ceramics International</i> , 2022, 48, 5139-5144.	2.3	6
4	Preparation and magnetic performance optimization of FeSiAl/Al ₂ O ₃ -MnO-Al ₂ O ₃ soft magnetic composites with particle size adjustment. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 850-860.	1.1	11
5	A strategy for controlling microstructure and mechanical properties of microporous spinel (MgAl ₂ O ₄) aggregates from magnesite and Al(OH) ₃ . <i>Journal of Alloys and Compounds</i> , 2022, 896, 163088.	2.8	13
6	Fluoride vaporization and crystallization of CaF ₂ -CaO-Al ₂ O ₃ (La ₂ O ₃) slag for vacuum electroslag remelting. <i>Vacuum</i> , 2022, 196, 110807.	1.6	3
7	Preparation of Si ₃ N ₄ -BCxN-TiN composite ceramic aerogels via foam-gelcasting. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2699-2706.	2.8	7
8	Precipitation Behavior and Elemental Distribution of MC Carbides in High Carbon and Vanadium High-Speed Steel. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 4444-4458.	1.2	6
9	Micro Characterization of Hot-Rolled Plate of Nb-Bearing Grain-Oriented Silicon Steel. <i>Materials</i> , 2022, 15, 429.	1.3	1
10	Wetting and corrosion behavior of MgO substrates by CaO-Al ₂ O ₃ -SiO ₂ (MgO) molten slags. <i>Ceramics International</i> , 2022, 48, 14799-14812.	2.3	14
11	Dissolution behavior of partially calcined limestone with residual CO ₂ in converter slag. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2108-2117.	2.6	3
12	Numerical Understanding on Refractory Flow-Induced Erosion and Reaction-Induced Corrosion Patterns in Ladle Refining Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 1617-1630.	1.0	12
13	Effect of Cooling Rate on Carbide Characteristics of the High Vanadium High-speed Steel. <i>ISIJ International</i> , 2022, 62, 524-531.	0.6	5
14	Pore evolution of microporous magnesia aggregates with the introduction of nano-sized MgO. <i>Ceramics International</i> , 2022, 48, 18513-18521.	2.3	8
15	Dissolution of Al ₂ O ₃ -C bricks in 45wt% CaO-45wt% SiO ₂ -x wt% CaF ₂ -(10-x) wt% Na ₂ O slag. <i>Ceramics International</i> , 2022, 48, 19068-19072.	2.3	7
16	Recycling of ironmaking and steelmaking slags in Japan and China. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 739-749.	2.4	22
17	A Three-Dimensional Comprehensive Numerical Model of Ion Transport during Electro-Refining Process for Scrap-Metal Recycling. <i>Materials</i> , 2022, 15, 2789.	1.3	1
18	Effect of MgO on the fluoride vaporization and crystallization of CaF ₂ -CaO-Al ₂ O ₃ (MgO) slag for vacuum electroslag remelting. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11445-11455.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Numerical Investigation on Motion and Removal of Inclusions in Continuous Casting Tundish with Multiorifice Filter. <i>Steel Research International</i> , 2022, 93, .	1.0	3
20	Element Migration and Diffusion at the Bonding Interface of the Bimetallic Composite Billet Produced by the ESRC Method. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 2398-2406.	1.0	1
21	Effect of Cooling Rate on the Grain Morphology and Element Segregation Behavior of Fe-Mn-Al-C Low-Density Steel during Solidification. <i>Processes</i> , 2022, 10, 1101.	1.3	0
22	A New Review on Inclusion and Precipitate Control in Grain-Oriented Silicon Steels. <i>Jom</i> , 2022, 74, 3141-3161.	0.9	4
23	Microstructure, non-metallic inclusions and impact toughness of high-Mn cryogenic steel weld metal. <i>Science and Technology of Welding and Joining</i> , 2022, 27, 553-563.	1.5	4
24	Research on creep damage model of high alumina bricks. <i>Ceramics International</i> , 2022, 48, 27758-27764.	2.3	4
25	Study on the Occurrence State of Lanthanum in Rust Layer and Mechanism of Its Influence on Invasion State of Corrosion Atoms. <i>Steel Research International</i> , 2022, 93, .	1.0	3
26	Microstructural Refinement and Performance Improvement of Cast n-Type Bi ₂ Te _{2.79} Se _{0.21} Ingot by Equal Channel Angular Extrusion. <i>Metals and Materials International</i> , 2021, 27, 3070-3078.	1.8	5
27	Influence of Electro-Emulsification on Desulfurization of Rejected Electrolytic Manganese Metal in Electroslag Remelting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 107-122.	1.0	3
28	Effect of microporous magnesia aggregates on microstructure and properties of periclase-magnesium aluminate spinel castables. <i>Ceramics International</i> , 2021, 47, 6540-6547.	2.3	26
29	Decoupling Seebeck coefficient and resistivity, and simultaneously optimizing thermoelectric and mechanical performances for n-type BiTeSe alloy by multi-pass equal channel angular extrusion. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114846.	1.7	2
30	Effect of Ce ₂ O ₃ on the fluoride vaporization of CaF ₂ -CaO-Al ₂ O ₃ -(Ce ₂ O ₃) slag used for vacuum electroslag remelting. <i>Vacuum</i> , 2021, 185, 109997.	1.6	13
31	Microstructures and strengths of microporous MgO-Al ₂ O ₃ refractory aggregates using two types of magnesite. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 100-109.	1.1	17
32	The critical influence of La content on the microstructure-toughness relationship in the simulated coarse-grained heat-affected zone of high-strength low-alloy steels. <i>Metallurgical Research and Technology</i> , 2021, 118, 212.	0.4	2
33	Numerical Study of Evaporation Behavior of Molten Manganese Metal During Electroslag Recycling Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 665-675.	1.0	2
34	Formation of liquid phase isolation layer on the corroded interface of MgO/Al ₂ O ₃ -SiC refractory and molten steel: Role of SiC. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2366-2377.	1.9	20
35	Numerical Study on Desulfurization Behavior During Kanbara Reactor Hot Metal Treatment. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 1085-1094.	1.0	20
36	Impact of Mo content on the microstructure-toughness relationship in the coarse-grained heat-affected zone of high-strength low-alloy steels. <i>International Journal of Materials Research</i> , 2021, 112, 98-107.	0.1	3

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37	Yttria-Stabilized Zirconia Assisted Green Electrochemical Preparation of Silicon from Solid Silica in Calcium Chloride Melt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 1708-1715.	1.0	0
38	Investigation on Desulfurization of Rejected Electrolytic Manganese Metal Scrap: Experiment and Mathematical Modeling. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 1626-1639.	1.0	3
39	Numerical Simulation on Refractory Wear and Inclusion Formation in Continuous Casting Tundish. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 1344-1356.	1.0	20
40	Corrosion Behavior of Lightweight MgO in High Basicity Tundish Slag. <i>Steel Research International</i> , 2021, 92, 2100010.	1.0	13
41	Influence of oxidation temperature on microstructure and electromagnetic performance of Fe-Si/Fe ₂ SiO ₄ soft magnetic composites. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158595.	2.8	10
42	Solid-state phase transformation of ductile cast iron during electroslag remelting cladding. <i>International Journal of Cast Metals Research</i> , 2021, 34, 111-119.	0.5	0
43	Cerium Addition Effect on Modification of Inclusions, Primary Carbides and Microstructure Refinement of H13 Die Steel. <i>ISIJ International</i> , 2021, 61, 1850-1859.	0.6	28
44	Quantitative Characterization of Flow-Induced Erosion of Tundish Refractory Lining via Water Model Experiment and Numerical Simulation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 3265-3275.	1.0	11
45	Advanced lightweight periclase-magnesium aluminate spinel refractories with high mechanical properties and high corrosion resistance. <i>Construction and Building Materials</i> , 2021, 291, 123388.	3.2	37
46	Numerical Investigation of Lime Particle Motion in Steelmaking BOF Process. <i>Jom</i> , 2021, 73, 2733-2740.	0.9	6
47	Characteristics of High Speed Steel/ductile Cast Iron Composite Roll Manufactured by Electroslag Remelting Cladding. <i>ISIJ International</i> , 2021, 61, 2127-2134.	0.6	4
48	Effect of Conductive Circuits on Bonding Quality of Bimetallic Composite Roll Produced by Electroslag Remelting Cladding. <i>Jom</i> , 2021, 73, 2973-2984.	0.9	0
49	Thermal insulation TiN aerogels prepared by a combined freeze-casting and carbothermal reduction-nitridation technique. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5127-5137.	2.8	21
50	One-pot foam-gelcasting/nitridation synthesis of high porosity nano-whiskers based 3D Si ₃ N ₄ porous ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6070-6074.	2.8	30
51	Formation mechanism and magnetic performance of Fe-Si soft magnetic composites coated with MnO-SiO ₂ composite coatings. <i>Advanced Powder Technology</i> , 2021, 32, 3364-3371.	2.0	18
52	Degradation behaviors of cement-free corundum-spinel castables in Ruhrstahl Heraeus refining ladle: Role of infiltrated steel. <i>Ceramics International</i> , 2021, 47, 32008-32014.	2.3	10
53	Influences of deoxidation and VOD slag on the behavior of inclusions in Fe-21Cr ferrite stainless steel. <i>Journal of Materials Research and Technology</i> , 2021, 15, 1949-1958.	2.6	3
54	Graphene-boron nitride composite aerogel: A high efficiency adsorbent for ciprofloxacin removal from water. <i>Separation and Purification Technology</i> , 2021, 278, 119605.	3.9	26

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55	Effect of slag composition on desulfurization during recycling rejected electrolytic manganese metal by electroslag remelting. <i>Metallurgical Research and Technology</i> , 2021, 118, 206.	0.4	1
56	Recovery of Te for the scrap of Bi ₂ Te ₃ -based alloys by vacuum metallurgy. <i>Materials Research Express</i> , 2021, 8, 115901.	0.8	2
57	Effects of CaO Content and Magnesium Additive in Electroslag on Desulfurization of Rejected Electrolytic Manganese Metal Scrap. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 4179-4196.	1.0	0
58	Highly enhancing electromagnetic properties in Fe-Si/MnO-SiO ₂ soft magnetic composites by improving coating uniformity. <i>Advanced Powder Technology</i> , 2021, 32, 4846-4856.	2.0	13
59	Effect of Ce Content on Microstructure-Toughness Relationship in the Simulated Coarse-Grained Heat-Affected Zone of High-Strength Low-Alloy Steels. <i>Metals</i> , 2021, 11, 2003.	1.0	2
60	Research on the bimetallic composite roll produced by a new electroslag cladding method: microstructure and property of the bonding interface. <i>Ironmaking and Steelmaking</i> , 2020, 47, 686-692.	1.1	9
61	Lead recovery from spent lead acid battery paste by hydrometallurgical conversion and thermal degradation. <i>Waste Management and Research</i> , 2020, 38, 263-270.	2.2	12
62	High performance Fe-Si soft magnetic composites coated with novel insulating-magnetic-insulating (IMI) layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 496, 165937.	1.0	17
63	Enhancement of the Thermoelectric Properties of BiCuSeO via In Doping and Powder Size Controlling. <i>Journal of Electronic Materials</i> , 2020, 49, 611-620.	1.0	2
64	Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. <i>Materials and Design</i> , 2020, 185, 108263.	3.3	29
65	Recycling of coal ash for production of dense SiAlON/ZrN/ZrON-based ceramics without sintering aids via pressureless sintering. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 175-183.	1.1	14
66	Investigation on the structure, fluoride vaporization and crystallization behavior of CaF ₂ -CaO-Al ₂ O ₃ -(SiO ₂) slag for electroslag remelting. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 923-931.	2.0	12
67	Microstructure, formation mechanism and magnetic properties of Fe _{1.82} Si _{0.18} @Al ₂ O ₃ soft magnetic composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 493, 165744.	1.0	26
68	Corrosion modeling of magnesia aggregates in contact with CaO-MgO-SiO ₂ slags. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2128-2136.	1.9	31
69	Effect of Graphene/Graphene Oxide on Wear Resistance and Thermal Conductivity of Co-Ni Coatings. <i>Jom</i> , 2020, 72, 4264-4272.	0.9	4
70	Formation mechanism and enhanced magnetic properties of Fe-Si/Fe ₂ SiO ₄ soft magnetic composites transformed from Fe-6.5 wt% Si/Fe ₂ O ₃ core-shell composites. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152803.	2.8	17
71	Effects of LaAlO ₃ and La ₂ O ₂ S inclusions on the initialization of localized corrosion of pipeline steels in NaCl solution. <i>Scripta Materialia</i> , 2020, 177, 151-156.	2.6	38
72	On the impacts of grain refinement and strain-induced deformation on three-body abrasive wear responses of 18Cr-8Ni austenitic stainless steel. <i>Wear</i> , 2020, 446-447, 203181.	1.5	16

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73	CFD and Experimental Investigation of Desulfurization of Rejected Electrolytic Manganese Metal in Electroslag Remelting Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 649-663.	1.0	6
74	Cleanliness improvement and microstructure refinement of ingot processed by vacuum electroslag remelting. Journal of Materials Research and Technology, 2020, 9, 1619-1630.	2.6	21
75	Oxidation Behavior and Subsurface Phase Transformation of Novel High Mn Cryogenic Steel during Heat Treatment. Steel Research International, 2020, 91, 1900555.	1.0	3
76	Mechanism of Yttrium composite inclusions on the localized corrosion of pipeline steels in NaCl solution. Micron, 2020, 130, 102820.	1.1	16
77	Properties of Fe ₂ SiO ₄ /SiO ₂ coated Fe-Si soft magnetic composites prepared by sintering Fe-6.5wt%Si/Fe ₃ O ₄ composite particles. Journal of Magnetism and Magnetic Materials, 2020, 499, 166278.	1.0	17
78	Preparation and characterization of microporous mullite-corundum refractory aggregates with high strength and closed porosity. Ceramics International, 2020, 46, 8274-8280.	2.3	21
79	On the deformation mechanism of austenitic stainless steel at elevated temperatures: A critical analysis of fine-grained versus coarse-grained structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 773, 138722.	2.6	11
80	Role of graphite on the corrosion resistance improvement of MgO-C bricks to MnO-rich slag. Ceramics International, 2020, 46, 7517-7522.	2.3	15
81	CFD Investigation of Effect of Multi-hole Ceramic Filter on Inclusion Removal in a Two-Strand Tundish. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 276-292.	1.0	36
82	Improvement of thermoelectric and mechanical properties of BiCuSeO-based materials by SiC nanodispersion. Journal of Alloys and Compounds, 2020, 818, 152899.	2.8	17
83	Artificial porous structure: An effective method to improve thermoelectric performance of Bi ₂ Te ₃ based alloys. Journal of Solid State Chemistry, 2020, 282, 121060.	1.4	17
84	Fabrication and analysis of lightweight magnesia based aggregates containing nano-sized intracrystalline pores. Materials and Design, 2020, 186, 108326.	3.3	30
85	Preparation and magnetic properties of FeSiAl-based soft magnetic composites with MnO/Al ₂ O ₃ insulation layer. Journal of Magnetism and Magnetic Materials, 2020, 498, 166084.	1.0	35
86	Effect of Nb content on primary recrystallization microstructure, texture and magnetic properties of grain-oriented silicon steel manufactured by low-temperature slab reheating. Journal of Magnetism and Magnetic Materials, 2020, 516, 167343.	1.0	6
87	Investigation on waste heat recovery of a nearly kilowatt class thermoelectric generation system mainly based on radiation heat transfer. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-10.	1.2	2
88	Corrosion mechanism of Al ₂ O ₃ -SiC-C refractory by SiO ₂ -MgO-based slag. Ceramics International, 2020, 46, 28262-28267.	2.3	25
89	Microstructure and magnetic properties of MnO ₂ coated iron soft magnetic composites prepared by ball milling. Journal of Magnetism and Magnetic Materials, 2020, 514, 167295.	1.0	17
90	Influence of Nb Content on Precipitation, Grain Microstructure, Texture and Magnetic Properties of Grain-Oriented Silicon Steel. Materials, 2020, 13, 5581.	1.3	5

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91	A CFD Study on Refractory Wear in RH Degassing Process. ISIJ International, 2020, 60, 1938-1947.	0.6	14
92	Effect of Electrode Immersion Depth on the Electrical Resistance and Heat Generation in the Electroslag Remelting Process. Jom, 2020, 72, 3826-3835.	0.9	1
93	Mechanism of pitting corrosion induced by inclusions in Al-Ti-Mg deoxidized high strength pipeline steel. Micron, 2020, 138, 102898.	1.1	19
94	Computational Modeling and Prediction on Viscosity of Slags by Big Data Mining. Minerals (Basel), 2020, 10, 15.	0.8	15
95	Effect of decarburisation and nitriding on the carbon content, precipitates, microstructure and texture of Nb-bearing grain-oriented silicon steel. Materials at High Temperatures, 2020, 37, 155-164.	0.5	3
96	Enhancement of thermoelectric performances of BiCuSeO through Y doping and grain refining. Journal of Materials Science: Materials in Electronics, 2020, 31, 4915-4923.	1.1	4
97	Role of slag on inclusions control and its effect on primary carbides in H13 steel. Metallurgical Research and Technology, 2020, 117, 111.	0.4	2
98	Slag corrosion-resistance mechanism of lightweight magnesia-based refractories under a static magnetic field. Corrosion Science, 2020, 167, 108517.	3.0	46
99	Fabrication and properties of in situ intergranular CaZrO ₃ modified microporous magnesia aggregates. Ceramics International, 2020, 46, 16956-16965.	2.3	28
100	Equal channel angular extrusion: An effective method to refine the microstructure of cast n-type Bi ₂ Te ₃ based ingot to co-optimize thermoelectric and mechanical properties. Solid State Sciences, 2020, 103, 106191.	1.5	6
101	A novel approach to lightweight alumina-carbon refractories for flow control of molten steel. Journal of the American Ceramic Society, 2020, 103, 4713-4724.	1.9	23
102	Primary recrystallization characteristics and magnetic properties improvement of high permeability grain-oriented silicon steel by trace Cr addition. Journal of Magnetism and Magnetic Materials, 2020, 507, 166849.	1.0	11
103	Evolution of microstructure and performance of n-type BiTeSe thermoelectric materials fabricated by multi-path equal channel angular extrusion. Materials Today Communications, 2020, 24, 101121.	0.9	1
104	CFD investigation on influence of orifice geometry on micro-scale inclusion movement. Powder Technology, 2020, 367, 358-375.	2.1	8
105	Superior cryogenic toughness of high-Mn austenitic steel by welding thermal cycles: The role of grain boundary evolution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139573.	2.6	15
106	Microstructure evolution of roll core during the preparation of composite roll by electroslag remelting cladding technology. High Temperature Materials and Processes, 2020, 39, 270-280.	0.6	5
107	Interface Characteristics of GCr15/45 Carbon Steel Composite Billet Produced by Electroslag Remelting Cladding. Materials Transactions, 2020, 61, 2228-2235.	0.4	2
108	Prediction of surface oxidation weight gain on 7.8 wt% Cr-containing stainless steel electrode during electroslag remelting. Materials at High Temperatures, 2019, 36, 212-219.	0.5	3

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109	Grain refinement in coarse-grained heat-affected zone of Al-Ti-Mg complex deoxidised steel. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 43-51.	1.5	29
110	Study on Sulfur Transfer Behavior during Refining of Rejected Electrolytic Manganese Metal. <i>Metals</i> , 2019, 9, 751.	1.0	4
111	Effect of sintering temperature on microstructure and magnetic properties for Fe-Si soft magnetic composites prepared by water oxidation combined with spark plasma sintering. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 491, 165615.	1.0	9
112	Influences of Fe ₂ O ₃ content on structure and magnetic performances of FeSiAl soft magnetic composites. <i>Materials Research Express</i> , 2019, 6, 116106.	0.8	2
113	Investigation of characteristic and evolution of fine-grained bainitic microstructure in the coarse-grained heat-affected zone of super-high strength steel for offshore structure. <i>Materials Characterization</i> , 2019, 157, 109893.	1.9	18
114	In Situ Observation of Grain Refinement in the Simulated Heat-Affected Zone of Al-Ti-0.05% Ce-Deoxidized Steel. <i>Steel Research International</i> , 2019, 90, 1900084.	1.0	20
115	DFT study on the mechanism of inclusion-induced initial pitting corrosion of Al-Ti-Ca complex deoxidized steel with Ce treatment. <i>Physica B: Condensed Matter</i> , 2019, 558, 10-19.	1.3	25
116	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO ₃ -Based Perovskites. <i>Chemistry of Materials</i> , 2019, 31, 1296-1303.	3.2	29
117	The effect of Ni/Sn doping on the thermoelectric properties of BiSbTe polycrystalline bulks. <i>Journal of Solid State Chemistry</i> , 2019, 277, 175-181.	1.4	17
118	Ultra-low inter-particle eddy current loss of Fe ₃ Si/Al ₂ O ₃ soft magnetic composites evolved from FeSiAl/Fe ₃ O ₄ core-shell particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 218-224.	1.0	49
119	An Investigation of Carburization Behavior of Molten Iron for the Flash Ironmaking Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 2006-2016.	1.0	7
120	A comparative study on the microstructures and mechanical properties of a dense and a lightweight magnesia refractories. <i>Journal of Alloys and Compounds</i> , 2019, 796, 131-137.	2.8	51
121	Influence of SiO ₂ insulation layers thickness distribution on magnetic behaviors of Fe-Si@SiO ₂ soft magnetic composites. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 132, 76-82.	1.9	22
122	Effect of Normalizing Annealing Temperature on Precipitates and Texture of Nb-Cr-Bearing Decarburized Grain-Oriented Silicon Steels. <i>Metals</i> , 2019, 9, 457.	1.0	3
123	Computational Simulation and Prediction on Electrical Conductivity of Oxide-Based Melts by Big Data Mining. <i>Materials</i> , 2019, 12, 1059.	1.3	7
124	Effect of Cr on secondary recrystallization behaviors in high permeability grain oriented silicon steel manufactured by low-temperature slab reheating. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 428-436.	1.0	9
125	On mechanical properties of novel high-Mn cryogenic steel in terms of SFE and microstructural evolution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 753, 91-98.	2.6	49
126	Preparation and Properties of Chromium-Free Corrosion-Resistant Coatings for Oriented Silicon Steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 631, 022035.	0.3	3

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127	Investigation of Primary Carbides in a Commercial-Sized Electroslag Remelting Ingot of H13 Steel. <i>Metals</i> , 2019, 9, 1247.	1.0	13
128	Effect of SiO ₂ containing slag for electroslag remelting on inclusion modification of 42CrMo steel. <i>Metallurgical Research and Technology</i> , 2019, 116, 627.	0.4	4
129	Investigation on Band Segregate Formation during the Electroslag Remelting of H13 Die Steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 529, 012064.	0.3	0
130	The effect of Nb content on precipitates, microstructure and texture of grain oriented silicon steel. <i>High Temperature Materials and Processes</i> , 2019, 38, 628-638.	0.6	6
131	Comparative study on the effect of Y content on grain refinement in the simulated coarse-grained heat-affected zone of X70 pipeline steels. <i>Micron</i> , 2019, 127, 102758.	1.1	9
132	Microstructure and Magnetic Properties of Fe/ZrSiO ₄ Composites Prepared by Mechanical Milling and Spark Plasma Sintering. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-7.	1.2	0
133	Enhanced thermoelectric properties in BiCuSeO ceramics by Pb/Ni dual doping and 3D modulation doping. <i>Journal of Solid State Chemistry</i> , 2019, 271, 1-7.	1.4	23
134	Effect of strain rate on microstructures and mechanical properties of Fe-18Cr-8Ni steel. <i>Materials Science and Technology</i> , 2019, 35, 195-203.	0.8	7
135	Effect of Current on Segregation and Inclusions Characteristics of Dual Alloy Ingot Processed by Electroslag Remelting. <i>High Temperature Materials and Processes</i> , 2019, 38, 207-218.	0.6	11
136	Controllable SiO ₂ insulating layer and magnetic properties for intergranular insulating Fe-6.5wt.%Si/SiO ₂ composites. <i>Advanced Powder Technology</i> , 2019, 30, 538-543.	2.0	43
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