

Guangqiang Li

List of Publications by Year in descending order

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254
papers

4,760
citations

117453

34
h-index

214527

47
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256
all docs

256
docs citations

256
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of titanium compounds from molten Ti-bearing blast furnace slag under the dynamic oxidation condition. <i>Minerals Engineering</i> , 2007, 20, 684-693.	1.8	151
2	High resistivity and low core loss of intergranular insulated Fe ²⁺ 6.5 wt.%Si/SiO ₂ composite compacts. <i>Materials and Design</i> , 2016, 89, 1251-1258.	3.3	104
3	Dynamic Oxidation of the Ti-bearing Blast Furnace Slag. <i>ISIJ International</i> , 2006, 46, 458-465.	0.6	82
4	Effect of Inclusions TM Behavior on the Microstructure in Al-Ti Deoxidized and Magnesium-Treated Steel with Different Aluminum Contents. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 1226-1241.	1.0	74
5	Dephosphorization of high phosphorus oolitic hematite by acid leaching and the leaching kinetics. <i>Hydrometallurgy</i> , 2017, 171, 61-68.	1.8	73
6	Core-shell structured FeSiAl/SiO ₂ particles and Fe ₃ Si/Al ₂ O ₃ soft magnetic composite cores with tunable insulating layer thicknesses. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 201, 79-86.	1.7	66
7	Deformation behavior of high yield strength TM High ductility ultrafine-grained 316LN austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 688, 407-415.	2.6	63
8	Colossal Volume Contraction in Strong Polar Perovskites of Pb(Ti,V)O ₃ . <i>Journal of the American Chemical Society</i> , 2017, 139, 14865-14868.	6.6	55
9	Study of Mn absorption by complex oxide inclusions in Al Ti Mg killed steels. <i>Acta Materialia</i> , 2016, 118, 8-16.	3.8	54
10	Enhanced thermoelectric properties of Sb-doped BiCuSeO due to decreased band gap. <i>Journal of Alloys and Compounds</i> , 2017, 712, 386-393.	2.8	54
11	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
12	The Effect of Na ₂ O and Al ₂ O ₃ on Dephosphorization of Molten Steel by High Basicity MgO Saturated CaO-FeOx-SiO ₂ Slag. <i>ISIJ International</i> , 2005, 45, 12-18.	0.6	50
13	Effect of Al Content on the Characteristics of Inclusions in Al-Ti Complex Deoxidized Steel with Calcium Treatment. <i>ISIJ International</i> , 2014, 54, 1755-1764.	0.6	49
14	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
15	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
16	Core loss reduction in Fe ²⁺ 6.5 wt.%Si/SiO ₂ core-shell composites by ball milling coating and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2014, 617, 21-28.	2.8	48
17	Intergranular insulated Fe/SiO ₂ soft magnetic composite for decreased core loss. <i>Advanced Powder Technology</i> , 2016, 27, 1189-1194.	2.0	48
18	A TGA/DTA-MS investigation to the influence of process conditions on the pyrolysis of Jimsar oil shale. <i>Energy</i> , 2015, 86, 749-757.	4.5	46

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19	The effect of annealing on the microstructural evolution and mechanical properties in phase reversed 316LN austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 720, 36-48.	2.6	46
20	Slag corrosion-resistance mechanism of lightweight magnesia-based refractories under a static magnetic field. <i>Corrosion Science</i> , 2020, 167, 108517.	3.0	46
21	Ni-catalyzed synthesis of hexagonal plate-like alpha silicon nitride from nitridation of Si powder in molten salt media. <i>Advanced Powder Technology</i> , 2016, 27, 1637-1644.	2.0	45
22	Growth of SiC nanowires on wooden template surface using molten salt media. <i>Applied Surface Science</i> , 2014, 320, 620-626.	3.1	44
23	Study of the effect of mineral matters on the thermal decomposition of Jimsar oil shale using TGµMS. <i>Thermochimica Acta</i> , 2016, 627-629, 31-38.	1.2	44
24	Numerical investigation of desulfurization behavior in electroslag remelting process. <i>International Journal of Heat and Mass Transfer</i> , 2017, 104, 943-951.	2.5	44
25	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
26	Nanoscale Cementite Precipitates and Comprehensive Strengthening Mechanism of Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3797-3812.	1.1	42
27	Improved thermoelectric properties of Bi ₂ Te ₃ Se alloys by melt spinning and resistance pressing sintering. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 115101.	1.3	41
28	Catalyst-assisted synthesis of α -Si ₃ N ₄ in molten salt. <i>Ceramics International</i> , 2016, 42, 2892-2898.	2.3	40
29	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
30	Ferrites based infrared radiation coatings with high emissivity and high thermal shock resistance and their application on energy-saving kettle. <i>Applied Surface Science</i> , 2015, 344, 223-229.	3.1	37
31	In-situ observation of grain refinement in the simulated heat-affected zone of high-strength low-alloy steel by Zr-Ti combined deoxidation. <i>Metals and Materials International</i> , 2016, 22, 267-275.	1.8	37
32	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
33	Precipitation selectivity of perovskite phase from Ti-bearing blast furnace slag under dynamic oxidation conditions. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2214-2220.	1.5	36
34	CFD Investigation of Effect of Multi-hole Ceramic Filter on Inclusion Removal in a Two-Strand Tundish. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2020, 51, 276-292.	1.0	36
35	Preparation and magnetic properties of FeSiAl-based soft magnetic composites with MnO/Al ₂ O ₃ insulation layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166084.	1.0	35
36	Resistance pressing sintering: A simple, economical and practical technique and its application to p-type (Bi,Sb) ₂ Te ₃ thermoelectric materials. <i>Journal of Alloys and Compounds</i> , 2014, 607, 91-98.	2.8	34

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37	Evolution of structure and infrared radiation properties for ferrite-based amorphous coating. Applied Surface Science, 2014, 316, 82-87.	3.1	33
38	Effect of process parameters of microwave activated hot pressing on the microstructure and thermoelectric properties of Bi ₂ Te ₃ -based alloys. Journal of Alloys and Compounds, 2015, 630, 282-287.	2.8	33
39	Synthesis, microstructure and magnetic properties of Fe ₃ Si _{0.7} Al _{0.3} @SiO ₂ core-shell particles and Fe ₃ Si/Al ₂ O ₃ soft magnetic composite core. Journal of Solid State Chemistry, 2015, 231, 152-158.	1.4	33
40	Effect of Cold Deformation on Microstructures and Mechanical Properties of Austenitic Stainless Steel. Metals, 2018, 8, 522.	1.0	33
41	Evolution of Desulfurization and Characterization of Inclusions in Dual Alloy Ingot Processed by Electroslag Remelting. Steel Research International, 2017, 88, 1700058.	1.0	32
42	Effects of processing parameters and rare earths additions on preparation of Al ₂ O ₃ -SiC composite powders from coal ash. Ceramics International, 2017, 43, 11830-11837.	2.3	31
43	Thermal stability of p-type polycrystalline Bi ₂ Te ₃ -based bulks for the application on thermoelectric power generation. Journal of Alloys and Compounds, 2017, 692, 885-891.	2.8	31
44	Effect of Ba and Pb dual doping on the thermoelectric properties of BiCuSeO ceramics. Materials Letters, 2018, 217, 189-193.	1.3	31
45	Corrosion modeling of magnesia aggregates in contact with CaO-MgO-SiO ₂ slags. Journal of the American Ceramic Society, 2020, 103, 2128-2136.	1.9	31
46	Characterization and thermoelectric properties of Bi _{0.4} Sb _{1.6} Te ₃ nanostructured bulk prepared by mechanical alloying and microwave activated hot pressing. Ceramics International, 2015, 41, 6817-6823.	2.3	30
47	Enhanced thermoelectric performances in BiCuSeO oxyselenides via Er and 3D modulation doping. Ceramics International, 2019, 45, 4493-4498.	2.3	30
48	Fabrication and analysis of lightweight magnesia based aggregates containing nano-sized intracrystalline pores. Materials and Design, 2020, 186, 108326.	3.3	30
49	One-pot foam-gelcasting/nitridation synthesis of high porosity nano-whiskers based 3D Si ₃ N ₄ porous ceramics. Journal of the European Ceramic Society, 2021, 41, 6070-6074.	2.8	30
50	Current Development of Slag Valorisation in China. Waste and Biomass Valorization, 2014, 5, 317-325.	1.8	29
51	The Effect of Porosity and Milling Induced Defects on the Thermoelectric Properties of p-Type Bi ₂ Te ₃ -Based Bulks. Advanced Engineering Materials, 2016, 18, 1777-1784.	1.6	29
52	Role of vacuum on cleanliness improvement of steel during electroslag remelting. Vacuum, 2018, 154, 351-358.	1.6	29
53	Grain refinement in coarse-grained heat-affected zone of Al-Ti-Mg complex deoxidised steel. Science and Technology of Welding and Joining, 2019, 24, 43-51.	1.5	29
54	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO ₃ -Based Perovskites. Chemistry of Materials, 2019, 31, 1296-1303.	3.2	29

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55	Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. <i>Materials and Design</i> , 2020, 185, 108263.	3.3	29
56	Evolution from amorphous to nanocrystalline and corresponding magnetic properties of Fe-Si-B-Cu-Nb alloys by melt spinning and spark plasma sintering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 187, 61-66.	1.7	28
57	Microwave activated hot pressing: A new opportunity to improve the thermoelectric properties of n-type Bi ₂ Te _{1-x} Se _x bulks. <i>Materials Research Bulletin</i> , 2016, 83, 122-127.	2.7	28
58	Preparation and properties of MgAl ₂ O ₄ based ceramics reinforced with rod-like microcrystallines by co-doping Sm ₂ O ₃ and La ₂ O ₃ . <i>Ceramics International</i> , 2017, 43, 16258-16263.	2.3	28
59	Fabrication and properties of in situ intergranular CaZrO ₃ modified microporous magnesia aggregates. <i>Ceramics International</i> , 2020, 46, 16956-16965.	2.3	28
60	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
61	Preparation and characterisation of porous biomorphic SiC/C ceramic from molten salt. <i>Ceramics International</i> , 2015, 41, 11539-11545.	2.3	27
62	A Mathematical Model of Desulphurization Kinetics for Ultra-low-sulfur Steels Refining by Powder Injection during RH Processing. <i>ISIJ International</i> , 2016, 56, 1368-1377.	0.6	27
63	Regulation and control of insulated layers for intergranular insulated Fe/SiO ₂ soft magnetic composites. <i>Journal of Materials Science</i> , 2017, 52, 7091-7099.	1.7	27
64	Numerical Study on the Effect of Electrode Polarity on Desulfurization in Direct Current Electroslag Remelting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 2649-2663.	1.0	26
65	Investigation of fluoride vaporization from CaF ₂ CaO-Al ₂ O ₃ slag for vacuum electroslag remelting. <i>Vacuum</i> , 2018, 158, 6-13.	1.6	26
66	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
67	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
68	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
69	A three-phase comprehensive mathematical model of desulfurization in electroslag remelting process. <i>Applied Thermal Engineering</i> , 2017, 114, 874-886.	3.0	25
70	Numerical analysis of inclusion motion behavior in electroslag remelting process. <i>International Journal of Heat and Mass Transfer</i> , 2018, 125, 1333-1344.	2.5	25
71	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
72	Corrosion mechanism of Al ₂ O ₃ -SiC-C refractory by SiO ₂ -MgO-based slag. <i>Ceramics International</i> , 2020, 46, 28262-28267.	2.3	25

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73	Introduction of porous structure: A feasible and promising method for improving thermoelectric performance of Bi ₂ Te ₃ based bulks. <i>Journal of Materials Science and Technology</i> , 2018, 34, 2458-2463.	5.6	24
74	Toughness improvement by Zr addition in the simulated coarse-grained heat-affected zone of high-strength low-alloy steels. <i>Ironmaking and Steelmaking</i> , 2019, 46, 113-123.	1.1	24
75	Electrochemical Measurement of Critical Supersaturation in F-O-M(M=Al, Si, and Zr) and Fe-O-Al-M (M=C, Mn, Cr, Si, and Ti) Melts by Solid Electrolyte Galvanic Cell.. <i>ISIJ International</i> , 1997, 37, 762-769.	0.6	24
76	Simulation and experimental studies of effect of current on oxygen transfer in electroslag remelting process. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 1021-1030.	2.5	23
77	Effect of Rolling Reduction on Microstructure and Property of Ultrafine Grained Low-Carbon Steel Processed by Cryorolling Martensite. <i>Metals</i> , 2018, 8, 518.	1.0	23
78	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
79	A novel approach to lightweight alumina-carbon refractories for flow control of molten steel. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4713-4724.	1.9	23
80	Synthesis of Al ₂ O ₃ -SiC composite powders from coal ash in NaCl-KCl molten salts medium. <i>Ceramics International</i> , 2016, 42, 19225-19230.	2.3	22
81	The effect of methane decomposition on the formation and magnetic properties of iron carbide prepared from oolitic hematite. <i>RSC Advances</i> , 2017, 7, 3921-3927.	1.7	22
82	Predicting transfer behavior of oxygen and sulfur in electroslag remelting process. <i>Applied Thermal Engineering</i> , 2018, 129, 378-388.	3.0	22
83	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
84	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
85	Microstructural characteristics and impact toughness in YS690MPa steel weld metal for offshore structures. <i>Science and Technology of Welding and Joining</i> , 2017, 22, 133-142.	1.5	21
86	The microstructure evolution and mechanical properties of MgO-C refractories with recycling Si/SiC solid waste from photovoltaic industry. <i>Ceramics International</i> , 2018, 44, 16435-16442.	2.3	21
87	Cleanliness improvement and microstructure refinement of ingot processed by vacuum electroslag remelting. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1619-1630.	2.6	21
88	Preparation and characterization of microporous mullite-corundum refractory aggregates with high strength and closed porosity. <i>Ceramics International</i> , 2020, 46, 8274-8280.	2.3	21
89	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
90	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

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91	Formation of liquid phase isolation layer on the corroded interface of MgO/Al ₂ O ₃ -SiC refractory and molten steel: Role of SiC. Journal of the American Ceramic Society, 2021, 104, 2366-2377.	1.9	20
92	Numerical Study on Desulfurization Behavior During Kanbara Reactor Hot Metal Treatment. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1085-1094.	1.0	20
93	Numerical Simulation on Refractory Wear and Inclusion Formation in Continuous Casting Tundish. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1344-1356.	1.0	20
94	The Effect of Na ₂ O and K ₂ O on the Partition Ratio of Phosphorus between CaO-SiO ₂ -Fe ₂ O ₃ -P ₂ O ₅ Slag and Carbon Saturated Iron. Steel Research International, 2013, 84, 687-694.	1.0	19
95	Effect of synthesis processes on the thermoelectric properties of BiCuSeO oxyselenides. Journal of Alloys and Compounds, 2018, 754, 131-138.	2.8	19
96	Mechanism of pitting corrosion induced by inclusions in Al-Ti-Mg deoxidized high strength pipeline steel. Micron, 2020, 138, 102898.	1.1	19
97	Evolution of microstructure at hot band annealing of ferritic FeSi steels. Journal of Magnetism and Magnetic Materials, 2017, 424, 26-32.	1.0	18
98	Numerical Analysis of Effect of Current on Desulfurization in Electroslag Remelting Process. ISIJ International, 2017, 57, 329-336.	0.6	18
99	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. Materials Characterization, 2019, 157, 109893.	1.9	18
100	The significant impact of Ti content on microstructure-toughness relationship in the simulated coarse-grained heated-affected zone of high-strength low-alloy steels. Ironmaking and Steelmaking, 2019, 46, 584-596.	1.1	18
101	Formation mechanism and magnetic performance of Fe-Si soft magnetic composites coated with MnO-SiO ₂ composite coatings. Advanced Powder Technology, 2021, 32, 3364-3371.	2.0	18
102	Thermodynamic Analysis of Extraction of Synthetic Rutile from Modified Slag. Industrial & Engineering Chemistry Research, 2013, 52, 4924-4931.	1.8	17
103	Numerical investigation on species transport in electroslag remelting dual alloy ingot. Applied Thermal Engineering, 2016, 103, 419-427.	3.0	17
104	Changing the Band Gaps by Controlling the Distribution of Initial Particle Size to Improve the Power Factor of Na-Type Bi ₂ Te ₃ Based Polycrystalline Bulks. Advanced Engineering Materials, 2017, 19, 1600696.	1.6	17
105	In-situ microscopy study of grain refinement in the simulated heat-affected zone of high-strength low-alloy steel by TiN particle. Science and Technology of Welding and Joining, 2017, 22, 343-352.	1.5	17
106	The effect of Ni/Sn doping on the thermoelectric properties of BiSbTe polycrystalline bulks. Journal of Solid State Chemistry, 2019, 277, 175-181.	1.4	17
107	High performance Fe-Si soft magnetic composites coated with novel insulating-magnetic-insulating (IMI) layer. Journal of Magnetism and Magnetic Materials, 2020, 496, 165937.	1.0	17
108	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. Journal of Alloys and Compounds, 2020, 817, 152803.	2.8	17

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109	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
110	Improvement of thermoelectric and mechanical properties of BiCuSeO-based materials by SiC nanodispersion. Journal of Alloys and Compounds, 2020, 818, 152899.	2.8	17
111	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
112	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
113	Microstructures and strengths of microporous MgO-Al ₂ O ₃ refractory aggregates using two types of magnesite. International Journal of Applied Ceramic Technology, 2021, 18, 100-109.	1.1	17
114	In-situ formation and densification of MgAl ₂ O ₄ -Y ₃ Al ₅ O ₁₂ and MgAl ₂ O ₄ -MgNb ₂ O ₆ ceramics via a single-stage SRS process. Science of Sintering, 2017, 49, 285-297.	0.5	17
115	A Bainite-Ferrite Multi-Phase Steel Strengthened by Ti-Microalloying. Materials Transactions, 2011, 52, 2027-2031.	0.4	16
116	Influence of Dopants on Electrical Properties of ZnO-V ₂ O ₅ Varistors Deduced from AC Impedance and Variable-Temperature Dielectric Spectroscopy. Journal of Electronic Materials, 2012, 41, 1970-1977.	1.0	16
117	Microwave activated hot pressing: A new consolidation technique and its application to fine crystal bismuth telluride based compounds. Powder Technology, 2014, 267, 119-125.	2.1	16
118	Intergranular insulated Fe-6.5 wt% Si/SiO ₂ composite compacts with tunable insulating layer thickness for low core loss applications. RSC Advances, 2015, 5, 67031-67040.	1.7	16
119	Enhanced thermoelectric performance in BiCuSeO oxyselenides via Ba/Te dual-site substitution and 3D modulation doping. Journal of Solid State Chemistry, 2018, 266, 297-303.	1.4	16
120	On the impacts of grain refinement and strain-induced deformation on three-body abrasive wear responses of 18Cr-8Ni austenitic stainless steel. Wear, 2020, 446-447, 203181.	1.5	16
121	Mechanism of Yttrium composite inclusions on the localized corrosion of pipeline steels in NaCl solution. Micron, 2020, 130, 102820.	1.1	16
122	The Behavior of Phosphorus During Reduction and Carburization of High-Phosphorus Oolitic Hematite with H ₂ and CH ₄ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 2571-2581.	1.0	15
123	Large spontaneous polarization in polar perovskites of PbTiO ₃ -Bi(Zn _{1/2} Ti _{1/2})O ₃ . Inorganic Chemistry Frontiers, 2018, 5, 1277-1281.	3.0	15
124	The significant impact of cold deformation on structure-property relationship in phase reversion-induced stainless steels. Materials Characterization, 2018, 145, 157-171.	1.9	15
125	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
126	Computational Modeling and Prediction on Viscosity of Slags by Big Data Mining. Minerals (Basel), 2020, 10, 15.	0.8	15

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127	Superior cryogenic toughness of high-Mn austenitic steel by welding thermal cycles: The role of grain boundary evolution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139573.	2.6	15
128	Influences of Oxide Additions on Formation Reaction of Iron Carbide at 1023 K. <i>ISIJ International</i> , 2006, 46, 981-986.	0.6	14
129	Elemental Diffusion and Service Performance of Bi ₂ Te ₃ -Based Thermoelectric Generation Modules with Flexible Connection Electrodes. <i>Journal of Electronic Materials</i> , 2017, 46, 1363-1370.	1.0	14
130	Effect of the Tundish Gunning Materials on the Steel Cleanliness. <i>High Temperature Materials and Processes</i> , 2018, 37, 313-323.	0.6	14
131	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
132	A CFD Study on Refractory Wear in RH Degassing Process. <i>ISIJ International</i> , 2020, 60, 1938-1947.	0.6	14
133	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
134	Distribution Equilibria of Fe, Co and Ni between MgO-saturated FeOx-MgO-SiO ₂ Slag and Ni Alloy.. <i>ISIJ International</i> , 2001, 41, 1303-1308.	0.6	13
135	Oxidation Kinetics and Oxygen Capacity of Ti-Bearing Blast Furnace Slag under Dynamic Oxidation Conditions. <i>Metals</i> , 2016, 6, 105.	1.0	13
136	Synthesis of Si ₃ N ₄ /SiC reaction-bonded SiC refractories: The effects of Si/C molar ratio on microstructure and properties. <i>Ceramics International</i> , 2017, 43, 16518-16524.	2.3	13
137	The role of Cu and Al addition on the microstructure and fracture characteristics in the simulated coarse-grained heat-affected zone of high-strength low-alloy steels with superior toughness. <i>Materials Science and Technology</i> , 2017, 33, 1750-1764.	0.8	13
138	Effect of grain refinement on strain hardening and fracture in austenitic stainless steel. <i>Materials Science and Technology</i> , 2018, 34, 1344-1352.	0.8	13
139	Investigation of Primary Carbides in a Commercial-Sized Electroslag Remelting Ingot of H13 Steel. <i>Metals</i> , 2019, 9, 1247.	1.0	13
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