

# Ting-An Zhang

## List of Publications by Year in descending order

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213  
papers

2,662  
citations

218381

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329751

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224  
docs citations

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times ranked

1288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on the oxidation characteristics of zinc sulfite in the zinc oxide desulfurization process. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 183-191.	1.2	2
2	Review on preparation and adsorption properties of chitosan and chitosan composites. <i>Polymer Bulletin</i> , 2022, 79, 2633-2665.	1.7	60
3	Trajectory, driving forces, and mitigation potential of energy-related greenhouse gas (GHG) emissions in China's primary aluminum industry. <i>Energy</i> , 2022, 239, 122114.	4.5	22
4	Simultaneous separation of Fe & Al and extraction of Fe from waste coal fly ash: Altering the charge sequence of ions by electrolysis. <i>Waste Management</i> , 2022, 137, 50-60.	3.7	13
5	Summary of research progress on industrial flue gas desulfurization technology. <i>Separation and Purification Technology</i> , 2022, 281, 119849.	3.9	89
6	Green method to synthesize magnetic zeolite/chitosan composites and adsorption of hexavalent chromium from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 746-754.	3.6	20
7	Preparation and characterization of Portland cement clinker from sulfuric acid leaching residue of coal fly ash. <i>Materials Research Express</i> , 2022, 9, 035202.	0.8	3
8	Extraction Separation of Ti(IV) and Fe(II) Using D2EHPA from the Raffinate Obtained After Extraction of Scandium from Titanium Dioxide Waste Acid. <i>Jom</i> , 2022, 74, 1061-1069.	0.9	3
9	A New Technology to Prepare Ba <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> from Tailings of TiCl <sub>4</sub> Refining. <i>Russian Journal of Non-Ferrous Metals</i> , 2022, 63, 15-25.	0.2	0
10	Comprehensive Application Technology of Bauxite Residue Treatment in the Ecological Environment: A Review. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 209-214.	1.3	5
11	Experimental Research on Vortex Melting Reduction of High-Iron Red Mud (Bauxite Residue). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 155-162.	1.3	6
12	Wet Treatment of Ni-Containing Electroplating Wastewater Doped with Fe and Co as a Hydrogen Evolution Catalyst. <i>Energy &amp; Fuels</i> , 2022, 36, 4107-4117.	2.5	4
13	Study on Reductive Smelting of High-Iron Red Mud for Iron Recovery. <i>Metals</i> , 2022, 12, 639.	1.0	4
14	Sustainable application of sodium removal from red mud: Cleaner production of silicon-potassium compound fertilizer. <i>Journal of Cleaner Production</i> , 2022, 352, 131601.	4.6	21
15	A Novel Method of Extracting Iron from High-Iron Red Mud and Preparing Low-Carbon Cement Clinker from Tailings. <i>Jom</i> , 2022, 74, 2750-2759.	0.9	8
16	A Thermodynamic and Experimental Assessment of the Recovery of Copper, Iron, Zinc, and Lead from Copper Slag. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 496.	0.8	5
17	Calcification-Carbonation Method for Bayer Red Mud Treatment: Carbonation Performance of Hydrogarnets. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, , .	1.3	0
18	Reduction Kinetics of Copper Slag by H <sub>2</sub> . <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 548.	0.8	4

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19	In-Situ Synthesis and Characterizations of a Novel Aluminum Bronze Composite Reinforced with Micro-Size Tungsten Particles. <i>Jom</i> , 2022, 74, 4146-4153.	0.9	2
20	Carbide Slag as a Calcium Source for Bauxite Residue Utilization via Calcificationâ€“Carbonization Processing. <i>Russian Journal of Non-Ferrous Metals</i> , 2022, 63, 132-145.	0.2	2
21	Research on Bayer Red Mud Slurry Electrolysis. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 101-109.	1.3	5
22	Electroconversion synthesis of Ni/Co layered nanomaterials for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, , 165360.	2.8	6
23	Simultaneous and clean separation of titanium, iron, and alumina from coal fly ash in one spot: Electrolysis-hydrolysis method. <i>Separation and Purification Technology</i> , 2022, 294, 121247.	3.9	6
24	Research on the mechanism of sodium separation in bauxite residue synergy preparation of potassium-containing compound fertilizer raw materials by the hydrothermal method. <i>Journal of Environmental Management</i> , 2022, 317, 115359.	3.8	7
25	Progress in the Preparation of Large-Size High-Performance CuCr Alloys. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-18.	1.0	5
26	Decomposition and decoupling analysis of aluminum in-use stocks in China. <i>Resources, Conservation and Recycling</i> , 2022, 185, 106478.	5.3	2
27	Research Progress on the Extractive Metallurgy of Titanium and Its Alloys. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021, 42, 535-551.	2.6	16
28	Basic research on the leaching behavior of vanadium-bearing steel slag with titanium white waste acid. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104897.	3.3	7
29	Numerical optimization for blades of Intermig impeller in solidâ€“liquid stirred tank. <i>Chinese Journal of Chemical Engineering</i> , 2021, 29, 57-66.	1.7	10
30	Multistage desulfurization mechanism to reduce sulfur content of high ferrotitanium prepared using thermite method. <i>Rare Metals</i> , 2021, 40, 2313-2319.	3.6	5
31	Self-propagating reaction mechanism of Mgâ€“TiO <sub>2</sub> system in preparation process of titanium powder by multi-stage reduction. <i>Rare Metals</i> , 2021, 40, 2645-2656.	3.6	6
32	Electrochemical and passive behaviour of Cuâ€“Sn bronze in simulated archaeological soil media. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 743-756.	0.8	7
33	Numerical Simulation of the Influence of Particle Physical Properties on Flow Field During the Aeration Leaching Process. <i>Minerals, Metals and Materials Series</i> , 2021, , 43-52.	0.3	0
34	Experimental Study on Dust Removal Performance of Dynamic Wave Scrubber for Smelting Flue Gas. <i>Minerals, Metals and Materials Series</i> , 2021, , 39-50.	0.3	0
35	Simulation and Optimization of Defluorination and Desulfurization Processes of Aluminum Electrolysis Flue Gas. <i>Minerals, Metals and Materials Series</i> , 2021, , 123-132.	0.3	1
36	Overview of process control of novel calcificationâ€“carbonation process for bauxite residue treatment. <i>Hydrometallurgy</i> , 2021, 199, 105536.	1.8	5

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37	Effects of Diffusion with Electrode Spacing and Concentration Difference on Al <sub>2</sub> O <sub>3</sub> Preparation from AlCl <sub>3</sub> Solution by Electrotransformation. Russian Journal of Non-Ferrous Metals, 2021, 62, 147-156.	0.2	1
38	Effects of roasting and NH <sub>4</sub> Cl catalysis on the direct electrotransformation products from an AlCl <sub>3</sub> solution. Materials Research Express, 2021, 8, 035508.	0.8	0
39	Electric conversion treatment of cobalt-containing wastewater. Water Science and Technology, 2021, 83, 1973-1986.	1.2	8
40	Separation and Extraction of Scandium from Titanium Dioxide Waste Acid. Jom, 2021, 73, 1301-1309.	0.9	6
41	Multi-material circulation optimization of the calcification-carbonation process based on material balance and phase transformation for cleaner production of alumina. Journal of Cleaner Production, 2021, 290, 125828.	4.6	3
42	Analysis of the development scenarios and greenhouse gas (GHG) emissions in China's aluminum industry till 2030. Journal of Cleaner Production, 2021, 290, 125859.	4.6	36
43	High purity metal lead recovery from zinc direct leaching residue via chloride leaching and direct electrolysis. Separation and Purification Technology, 2021, 263, 118329.	3.9	10
44	Dependence on the distribution of valuable elements and chemical characterizations based on different particle sizes of high alumina fly ash. Fuel, 2021, 291, 120225.	3.4	11
45	Bubble behavior in cylindrical and square vessels under centric mechanical stirring. Journal of Iron and Steel Research International, 2021, 28, 1243-1250.	1.4	5
46	Corrosion behavior of brass from the Western Zhou Dynasty in an archeological-corrosive medium. Journal of Alloys and Compounds, 2021, 865, 158579.	2.8	15
47	Preparation of magnetic zeolite/chitosan composite using silane as modifier for adsorption of Cr(VI) from aqueous solutions. Journal of Vinyl and Additive Technology, 2021, 27, 640-654.	1.8	14
48	Volatilization and condensation behavior of magnesium vapor during magnesium production via a silicothermic process with magnesite. Vacuum, 2021, 189, 110227.	1.6	10
49	Mechanisms of Metal-Slag Separation Behavior in Thermite Reduction for Preparation of TiAl Alloy. Journal of Materials Engineering and Performance, 2021, 30, 9315-9325.	1.2	4
50	Thermodynamic analysis of nucleation during pyrolysis process of aluminum chloride solution. MRS Communications, 2021, 11, 679.	0.8	2
51	Electrolysis designed for clean production of selective iron products from coal fly ash leachate. Hydrometallurgy, 2021, 203, 105617.	1.8	5
52	Efficient extraction and separation of indium from waste indium-tin oxide (ITO) targets by enhanced ammonium bisulfate leaching. Separation and Purification Technology, 2021, 269, 118766.	3.9	13
53	Corrosion evolution of Cu-Pb alloys from the Western Zhou Dynasty in simulated archaeological soil environment. Journal of Electroanalytical Chemistry, 2021, 899, 115688.	1.9	7
54	Corrosion behaviour of lead bronze from the Western Zhou Dynasty in an archaeological-soil medium. Corrosion Science, 2021, 191, 109721.	3.0	21

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55	Influence of the external electric field distribution on $\hat{\pm}$ -Ni(OH) <sub>2</sub> electrochemical-synthesis from a NiCl <sub>2</sub> solution. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103397.	2.3	1
56	A Novel Technology to Prepare Sodium Vanadate from V $\hat{\pm}$ -Cr-Bearing Reducing Slag. <i>Russian Journal of Non-Ferrous Metals</i> , 2021, 62, 1-9.	0.2	1
57	Eco-friendly extraction of magnesium and lithium from salt lake brine for lithium-ion battery. <i>Journal of Cleaner Production</i> , 2021, 327, 129481.	4.6	12
58	Leaching of rare earths from mechanochemically decomposed bastnaesite. <i>Minerals Engineering</i> , 2020, 145, 106052.	1.8	6
59	Kinetic study on bastnaesite concentrate mechanochemical decomposition in NaOH solution. <i>Journal of Rare Earths</i> , 2020, 38, 418-426.	2.5	1
60	Preparation of oxygen vacancy-controllable CeO <sub>2</sub> by electrotransformation of a CeCl <sub>3</sub> solution and its oxidation mechanism. <i>Ceramics International</i> , 2020, 46, 5976-5982.	2.3	7
61	Cleaner alumina production from coal fly ash: Membrane electrolysis designed for sulfuric acid leachate. <i>Journal of Cleaner Production</i> , 2020, 243, 118470.	4.6	33
62	Electrochemical separation of magnesium from solutions of magnesium and lithium chloride. <i>Hydrometallurgy</i> , 2020, 191, 105166.	1.8	16
63	Basic study on direct preparation of lithium carbonate powders by membrane electrolysis. <i>Hydrometallurgy</i> , 2020, 191, 105193.	1.8	10
64	A cleaner electrolysis process to recover alumina from synthetic sulfuric acid leachate of coal fly ash. <i>Hydrometallurgy</i> , 2020, 191, 105196.	1.8	17
65	Corrosion behavior of Cu $\hat{\pm}$ -Sn bronze alloys in simulated archeological soil media. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 617-627.	0.8	12
66	Alumina Extraction from Kaolinite via Calcification-Carbonation Process. <i>Russian Journal of Non-Ferrous Metals</i> , 2020, 61, 248-256.	0.2	4
67	Emulsification and Flow Characteristics in Copper Oxygen-Rich Side-Blown Bath Smelting Process. <i>Metals</i> , 2020, 10, 1520.	1.0	7
68	Oxygen pressure acid leaching of artificial sphalerite catalyzed by Fe <sup>3+</sup> /Fe <sup>2+</sup> self-precipitation. <i>Journal of Central South University</i> , 2020, 27, 1703-1713.	1.2	2
69	Cu <sup>2+</sup> -catalyzed mechanism in oxygen-pressure acid leaching of artificial sphalerite. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 910-923.	2.4	2
70	Condensation Behavior of Magnesium Metal in Argon Gas. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2020, 51, 3098-3107.	1.0	5
71	Clean production of rare earth oxide from rare earth chloride solution by electrical transformation. <i>Hydrometallurgy</i> , 2020, 197, 105372.	1.8	4
72	Mechanism of Melt Separation in Preparation of Low-Oxygen High Titanium Ferroalloy Prepared by Multistage and Deep Reduction. <i>Metals</i> , 2020, 10, 309.	1.0	7

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73	Preparation of Doped Iron Phosphate by Selective Precipitation of Iron from Titanium Dioxide Waste Acid. <i>Metals</i> , 2020, 10, 789.	1.0	7
74	Solvent Extraction of Sc(III) by D2EHPA/TBP from the Leaching Solution of Vanadium Slag. <i>Metals</i> , 2020, 10, 790.	1.0	9
75	Separation of metal ions and resource utilization of magnesium from saline lake brine by membrane electrolysis. <i>Separation and Purification Technology</i> , 2020, 251, 117316.	3.9	27
76	Clean production of porous-Al(OH) <sub>3</sub> from fly ash. <i>Journal of Hazardous Materials</i> , 2020, 393, 122371.	6.5	15
77	Cleaner extraction of alumina from coal fly ash: Baking-electrolysis method. <i>Fuel</i> , 2020, 273, 117697.	3.4	23
78	Overview of cobalt resources and comprehensive analysis of cobalt recovery from zinc plant purification residue- a review. <i>Hydrometallurgy</i> , 2020, 193, 105327.	1.8	37
79	Kinetics of carbonated decomposition of hydrogarnet with different silica saturation coefficients. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 472-482.	2.4	10
80	Investigation of the smelting reduction mechanism and of iron extraction from high-iron red mud. <i>Materials Research Express</i> , 2020, 7, 126514.	0.8	19
81	Effect of Sodium Alkali Concentration on Calcificationâ€™Carbonization Process. <i>Minerals, Metals and Materials Series</i> , 2020, , 143-150.	0.3	0
82	Effect of Concentrations and Pressures of CO <sub>2</sub> on Calcificationâ€™Carbonation Treatment of Bauxite Residue. <i>Minerals, Metals and Materials Series</i> , 2020, , 124-128.	0.3	0
83	Effect of nanoboron carbide particles on properties of copper-matrix/graphite composite materials. <i>Materials Research Express</i> , 2019, 6, 0950c7.	0.8	5
84	Mechanochemical decomposition of mixed rare earth concentrate in the NaOH-CaO-H <sub>2</sub> O system. <i>Hydrometallurgy</i> , 2019, 189, 105116.	1.8	7
85	Process and Kinetic Assessment of Vanadium Extraction from Vanadium Slag Using Calcification Roasting and Sodium Carbonate Leaching. <i>Jom</i> , 2019, 71, 4600-4607.	0.9	20
86	Utilization of Bayer red mud by a calcificationâ€™carbonation method using calcium aluminate hydrate as a calcium source. <i>Hydrometallurgy</i> , 2019, 188, 248-255.	1.8	44
87	Transformation and Characterization of Cement Clinker Prepared from New Structured Red Mud by Sintering. <i>Jom</i> , 2019, 71, 2505-2512.	0.9	12
88	Viscosities in PbO - ZnO - Fe <sub>x</sub> O - SiO <sub>2</sub> - CaO system for lead and zinc smelting slags. <i>Metallurgical Research and Technology</i> , 2019, 116, 606.	0.4	3
89	First-principles calculation on the structural, elastic and thermodynamic properties of Ti-Al intermetallics. <i>Materials Research Express</i> , 2019, 6, 1065a4.	0.8	18
90	Studies on Copper-Coated Boron Carbide Particle-Reinforced Copper-Matrix/Graphite Self-Lubricating Composite Materials. <i>Russian Journal of Non-Ferrous Metals</i> , 2019, 60, 575-582.	0.2	3

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91	Preparation of Metal Lead from Waste Lead Paste by Direct Electrochemical Reduction in NH <sub>3</sub> -NH <sub>4</sub> Cl Solution. <i>Jom</i> , 2019, 71, 4518-4527.	0.9	5
92	Simulation of the Scale-up Process of a Venturi Jet Pyrolysis Reactor. <i>Metals</i> , 2019, 9, 979.	1.0	4
93	CFD-PBM Simulation and PIV Measurement of Liquid-Liquid Flow in a Continuous Stirring Settler. <i>Jom</i> , 2019, 71, 4500-4508.	0.9	2
94	Investigation of alumina preparation from aluminum chloride aqueous solution by electrical transformation. <i>Hydrometallurgy</i> , 2019, 185, 30-37.	1.8	10
95	Zeolite a preparation from high alumina fly ash of china using alkali fusion and hydrothermal synthesis method. <i>Materials Research Express</i> , 2019, 6, 065049.	0.8	4
96	An Alternative Technique for the Extraction of Valuable Elements from Fly Ash: the Carbochlorination Method. <i>Russian Journal of Non-Ferrous Metals</i> , 2019, 60, 52-60.	0.2	3
97	Preparation of highly pure vanadyl sulfate electrolyte from vanadium slag leach solution with the complexing effect of EDTA on Fe(III). <i>Hydrometallurgy</i> , 2019, 188, 54-63.	1.8	18
98	Formation Mechanism and Distribution of Al and O in the Ferrotitanium with Different Ti Contents Prepared by Thermite Method. <i>Jom</i> , 2019, 71, 3584-3589.	0.9	11
99	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.	1.1	9
100	Enhanced Desilication of High Alumina Fly Ash by Combining Physical and Chemical Activation. <i>Metals</i> , 2019, 9, 411.	1.0	12
101	Mineral transformation in treating low-grade bauxite using the calcification-carbonization process and preparing cement clinker with the obtained residue. <i>Minerals Engineering</i> , 2019, 138, 139-147.	1.8	22
102	Assessment of Bauxite Residue for Reclamation Purposes After Calcification-Carbonization Treatment. <i>Jom</i> , 2019, 71, 2944-2951.	0.9	5
103	Titanium Extraction from Fly Ash by Carbochlorination. <i>Jom</i> , 2019, 71, 4624-4630.	0.9	6
104	Decomposition process of bastnaesite concentrate in NaOH CaO H <sub>2</sub> O system. <i>Journal of Rare Earths</i> , 2019, 37, 760-766.	2.5	3
105	Reductive leaching of indium-bearing zinc ferrite in sulfuric acid using sulfur dioxide as a reductant. <i>Hydrometallurgy</i> , 2019, 186, 192-199.	1.8	15
106	Kinetics of Magnesium and Calcium Extraction from Fly Ash by Carbochlorination. <i>Jom</i> , 2019, 71, 2798-2805.	0.9	2
107	Mechanochemical decomposition on (rare earth) bastnaesite concentrate in NaOH solution. <i>Minerals Engineering</i> , 2019, 137, 27-33.	1.8	11
108	Clean and efficient utilization of low-grade high-iron sedimentary bauxite via calcification-carbonation method. <i>Hydrometallurgy</i> , 2019, 187, 195-202.	1.8	13

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109	Thermodynamic study on the V(V)-P(V)-H <sub>2</sub> O system in acidic leaching solution of vanadium-bearing converter slag. Separation and Purification Technology, 2019, 218, 164-172.	3.9	20
110	Oxygen content of high ferrotitanium prepared by thermite method with different melt separation temperatures. Rare Metals, 2019, 38, 892-898.	3.6	9
111	Preparation of La <sub>2</sub> O <sub>3</sub> by ion-exchange membrane electrolysis of LaCl <sub>3</sub> aqueous solution. Journal of Rare Earths, 2019, 37, 1009-1014.	2.5	10
112	Liquidâ€“Liquid Flow in a Continuous Stirring Settler: CFD-PBM Simulation and Experimental Verification. Jom, 2019, 71, 1650-1659.	0.9	3
113	A novel continuous and controllable method for fabrication of as-cast TiAl alloy. Journal of Alloys and Compounds, 2019, 789, 266-275.	2.8	16
114	Effects of Additives on Alumina Preparation from Aluminum Chloride Solution by Electrolytic Transformation. Jom, 2019, 71, 1574-1580.	0.9	4
115	Preparation of CeO <sub>2</sub> by ion-exchange membrane electrolysis method. Hydrometallurgy, 2019, 186, 126-131.	1.8	3
116	Separation and purification of elemental sulfur from sphalerite concentrate direct leaching residue by liquid paraffin. Hydrometallurgy, 2019, 186, 162-169.	1.8	12
117	Recovery of vanadium from calcification roasted-acid leaching tailing by enhanced acid leaching. Journal of Hazardous Materials, 2019, 369, 632-641.	6.5	70
118	Effect of Coal Ratio on Preparation of Siâ€“Tiâ€“Fe Alloy by Carbothermic Reduction with Coal Fly Ash. Minerals, Metals and Materials Series, 2019, , 373-382.	0.3	1
119	Numerical Simulations of Irregular CeO <sub>2</sub> Particle Size Distributions. Jom, 2019, 71, 34-39.	0.9	3
120	Decomposition mechanism of a mixed rare earth concentrate with sodium hydroxide in the microwave heating process. Minerals Engineering, 2019, 132, 220-227.	1.8	17
121	Preparation and Properties of Pseudo-boehmite Obtained from High-Alumina Fly Ash by a Sinteringâ€“CO <sub>2</sub> Decomposition Process. Jom, 2019, 71, 499-507.	0.9	16
122	Distribution and Control Mechanism of Al and O Residuals in Ferrotitanium Prepared by Aluminothermic Reduction with Insufficient Al. Jom, 2019, 71, 809-814.	0.9	6
123	Silicon saturation coefficient changes in hydrogarnets during the Bayer process with lime addition. Chinese Journal of Chemical Engineering, 2019, 27, 1965-1972.	1.7	6
124	Deoxidation Mechanism in Reduced Titanium Powder Prepared by Multistage Deep Reduction of TiO <sub>2</sub> . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 282-290.	1.0	12
125	Carbochlorination of alumina and silica from high-alumina fly ash. Minerals Engineering, 2019, 130, 85-91.	1.8	17
126	Effect of microwave heating on the pressure leaching of vanadium from converter slag. Hydrometallurgy, 2019, 184, 45-54.	1.8	29



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127	Sulfur distribution in preparation of high titanium ferroalloy by thermite method with different CaO additions. <i>Rare Metals</i> , 2019, 38, 793-799.	3.6	9
128	Carbochlorination Kinetics of High-Alumina Fly Ash. <i>Jom</i> , 2019, 71, 492-498.	0.9	4
129	Feasibility study on the use of thiosulfate to remediate mercury-contaminated soil. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 813-821.	1.2	11
130	Recovery of alkali and alumina from bauxite residue (red mud) and complete reuse of the treated residue. <i>Journal of Cleaner Production</i> , 2018, 188, 456-465.	4.6	118
131	Comprehensive Utilization of Red Mud: Current Research Status and a Possible Way Forward for Non-hazardous Treatment. <i>Minerals, Metals and Materials Series</i> , 2018, , 135-141.	0.3	20
132	Research on Sulfur Conversion Behavior in Oxygen Pressure Acid Leaching Process of High Indium Sphalerite. <i>Minerals, Metals and Materials Series</i> , 2018, , 199-208.	0.3	4
133	Desulfurization of Copper-Iron Reduced from Copper Slag. <i>Minerals, Metals and Materials Series</i> , 2018, , 15-23.	0.3	0
134	Study on Emulsion Phenomena and Field Flow Pattern in Side-Blown Copper Smelting Process. <i>Minerals, Metals and Materials Series</i> , 2018, , 53-63.	0.3	0
135	Thermodynamics Analysis on the Process of Decarburization and Vanadium Protection by CO <sub>2</sub> . <i>Minerals, Metals and Materials Series</i> , 2018, , 257-264.	0.3	0
136	Extraction Separation of V and Fe in High Acid and High Iron Solution. <i>Minerals, Metals and Materials Series</i> , 2018, , 281-290.	0.3	0
137	Numerical Investigation of Gas-Liquid Flow in a Newly Developed Carbonation Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 380-391.	1.8	10
138	The effect of NaOH on the direct calcification-carbonation method for processing of Bayer process red mud. <i>Green Processing and Synthesis</i> , 2018, 7, 546-551.	1.3	6
139	Study of the Mechanochemical Calcification for Mixed Rare Earth Concentrate. <i>Minerals, Metals and Materials Series</i> , 2018, , 77-86.	0.3	0
140	Calcification reaction of red mud slurry with lime. <i>Powder Technology</i> , 2018, 333, 277-285.	2.1	16
141	Research on Alumina Preparation from Aluminium Chloride Solution by Electrolysis Process. <i>Minerals, Metals and Materials Series</i> , 2018, , 97-103.	0.3	1
142	Moderate Dilution of Copper Slag by Natural Gas. <i>Jom</i> , 2018, 70, 47-52.	0.9	19
143	Chelating extraction of vanadium(V) from low pH sulfuric acid solution by Mextral 973H. <i>Separation and Purification Technology</i> , 2018, 190, 123-135.	3.9	32
144	Roasting Pre-Treatment of High-Sulfur Bauxite for Sulfide Removal and Digestion Performance of Roasted Ore. <i>Russian Journal of Non-Ferrous Metals</i> , 2018, 59, 493-501.	0.2	4

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145	Effect of Immersion Depth of a Swirling Flow Tundish SEN on Multiphase Flow and Heat Transfer in Mold. <i>Metals</i> , 2018, 8, 910.	1.0	10
146	Process strengthening for electrochemical reduction of solid TiO <sub>2</sub> to Ti in situ. <i>Rare Metals</i> , 2018, , 1.	3.6	0
147	Extraction Separation of Sc(III) and Fe(III) from a Strongly Acidic and Highly Concentrated Ferric Solution by D2EHPA/TBP. <i>Jom</i> , 2018, 70, 2837-2845.	0.9	22
148	Direct Calcification—Carbonation Method for Processing of Bayer Process Red Mud. <i>Russian Journal of Non-Ferrous Metals</i> , 2018, 59, 142-147.	0.2	8
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