

Ting-An Zhang

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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.	9.3	118
2	Summary of research progress on industrial flue gas desulfurization technology. <i>Separation and Purification Technology</i> , 2022, 281, 119849.	7.9	89
3	Calcification-carbonation method for red mud processing. <i>Journal of Hazardous Materials</i> , 2016, 316, 94-101.	12.4	73
4	Recovery of vanadium from calcification roasted-acid leaching tailing by enhanced acid leaching. <i>Journal of Hazardous Materials</i> , 2019, 369, 632-641.	12.4	70
5	Review on preparation and adsorption properties of chitosan and chitosan composites. <i>Polymer Bulletin</i> , 2022, 79, 2633-2665.	3.3	60
6	Synergistic extraction of vanadium(IV) in sulfuric acid media using a mixture of D2EHPA and EHEHPA. <i>Hydrometallurgy</i> , 2016, 166, 87-93.	4.3	49
7	Effects of Cu addition on the microstructure and mechanical properties of as-cast and heat treated Mg-6Zn-4Al magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 203-211.	5.6	49
8	Phase transformation in reductive roasting of laterite ore with microwave heating. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 969-973.	4.2	47
9	Leaching kinetics of rare earth elements and fluoride from mixed rare earth concentrate after roasting with calcium hydroxide and sodium hydroxide. <i>Hydrometallurgy</i> , 2017, 173, 15-21.	4.3	46
10	Utilization of Bayer red mud by a calcification-carbonation method using calcium aluminate hydrate as a calcium source. <i>Hydrometallurgy</i> , 2019, 188, 248-255.	4.3	44
11	Decomposition of the mixed rare earth concentrate by microwave-assisted method. <i>Journal of Rare Earths</i> , 2016, 34, 529-535.	4.8	38
12	Overview of cobalt resources and comprehensive analysis of cobalt recovery from zinc plant purification residue- a review. <i>Hydrometallurgy</i> , 2020, 193, 105327.	4.3	37
13	Analysis of the development scenarios and greenhouse gas (GHG) emissions in China's aluminum industry till 2030. <i>Journal of Cleaner Production</i> , 2021, 290, 125859.	9.3	36
14	Recovery of alkali and alumina from Bayer red mud by the calcification-carbonation method. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 257-268.	4.9	35
15	Extraction of vanadium from vanadium slag by high pressure oxidative acid leaching. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 21-26.	4.9	34
16	Cleaner alumina production from coal fly ash: Membrane electrolysis designed for sulfuric acid leachate. <i>Journal of Cleaner Production</i> , 2020, 243, 118470.	9.3	33
17	Pressure acid leaching of zinc sulfide concentrate. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s136-s140.	4.2	32
18	Chelating extraction of vanadium(V) from low pH sulfuric acid solution by Mextral 973H. <i>Separation and Purification Technology</i> , 2018, 190, 123-135.	7.9	32

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19	Experimental and CFD studies of solid–liquid slurry tank stirred with an improved Intermig impeller. Transactions of Nonferrous Metals Society of China, 2014, 24, 2650-2659.	4.2	31
20	Intensification of Bubble Disintegration and Dispersion by Mechanical Stirring in Gas Injection Refining. ISIJ International, 2009, 49, 17-23.	1.4	30
21	A chlorination roasting process to extract rubidium from distinctive kaolin ore with alternative chlorinating reagent. International Journal of Mineral Processing, 2016, 157, 21-27.	2.6	30
22	Calcification–Carbonation Method for Cleaner Alumina Production and CO ₂ Utilization. Jom, 2014, 66, 1616-1621.	1.9	29
23	Effect of microwave heating on the pressure leaching of vanadium from converter slag. Hydrometallurgy, 2019, 184, 45-54.	4.3	29
24	Effects of Microwave Roasting on the Kinetics of Extracting Vanadium from Vanadium Slag. Jom, 2016, 68, 577-584.	1.9	27
25	Separation of metal ions and resource utilization of magnesium from saline lake brine by membrane electrolysis. Separation and Purification Technology, 2020, 251, 117316.	7.9	27
26	İ–pH diagram of V-Ti-H ₂ O system during pressure acid leaching of converter slag containing vanadium and titanium. Transactions of Nonferrous Metals Society of China, 2011, 21, 2078-2086.	4.2	26
27	Pressure leaching of converter vanadium slag with waste titanium dioxide. Rare Metals, 2016, 35, 576-580.	7.1	25
28	The influence of the silicon saturation coefficient on a calcification-carbonation method for clean and efficient use of bauxite. Hydrometallurgy, 2017, 174, 97-104.	4.3	25
29	Influence of microwave heating on the extractions of fluorine and Rare Earth elements from mixed rare earth concentrate. Hydrometallurgy, 2016, 162, 104-110.	4.3	23
30	Mechanism and kinetics of mercuric sulfide leaching with cuprous-thiosulfate solutions. Separation and Purification Technology, 2017, 177, 223-232.	7.9	23
31	Cleaner extraction of alumina from coal fly ash: Baking-electrolysis method. Fuel, 2020, 273, 117697.	6.4	23
32	Extraction Separation of Sc(III) and Fe(III) from a Strongly Acidic and Highly Concentrated Ferric Solution by D2EHPA/TBP. Jom, 2018, 70, 2837-2845.	1.9	22
33	Mineral transformation in treating low-grade bauxite using the calcification–carbonization process and preparing cement clinker with the obtained residue. Minerals Engineering, 2019, 138, 139-147.	4.3	22
34	Trajectory, driving forces, and mitigation potential of energy-related greenhouse gas (GHG) emissions in China's primary aluminum industry. Energy, 2022, 239, 122114.	8.8	22
35	Kinetics of indium dissolution from marmatite with high indium content in pressure acid leaching. Rare Metals, 2017, 36, 69-76.	7.1	21
36	Alternative Reduction of Copper Matte in Reduction Process of Copper Slag. ISIJ International, 2017, 57, 775-781.	1.4	21

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37	Corrosion behaviour of lead bronze from the Western Zhou Dynasty in an archaeological-soil medium. <i>Corrosion Science</i> , 2021, 191, 109721.	6.6	21
38	Sustainable application of sodium removal from red mud: Cleaner production of silicon-potassium compound fertilizer. <i>Journal of Cleaner Production</i> , 2022, 352, 131601.	9.3	21
39	Thermodynamics study on leaching process of gibbsitic bauxite by hydrochloric acid. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 266-270.	4.2	20
40	Study on leaching rare earths from bastnaesite treated by calcification transition. <i>Journal of Rare Earths</i> , 2014, 32, 1043-1047.	4.8	20
41	Extraction of vanadium from direct acid leach solution of converter vanadium slag. <i>Canadian Metallurgical Quarterly</i> , 2017, 56, 281-293.	1.2	20
42	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.	0.4	20
43	Process and Kinetic Assessment of Vanadium Extraction from Vanadium Slag Using Calcification Roasting and Sodium Carbonate Leaching. <i>Jom</i> , 2019, 71, 4600-4607.	1.9	20
44	Thermodynamic study on the V(V)-P(V)-H ₂ O system in acidic leaching solution of vanadium-bearing converter slag. <i>Separation and Purification Technology</i> , 2019, 218, 164-172.	7.9	20
45	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.	7.5	20
46	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
47	Moderate Dilution of Copper Slag by Natural Gas. <i>Jom</i> , 2018, 70, 47-52.	1.9	19
48	Investigation of the smelting reduction mechanism and of iron extraction from high-iron red mud. <i>Materials Research Express</i> , 2020, 7, 126514.	1.6	19
49	Preparation of CeB ₆ nano-powders by self-propagating high-temperature synthesis (SHS). <i>Journal of Rare Earths</i> , 2011, 29, 986-990.	4.8	18
50	Magnesium Production by Silicothermic Reduction of Dolime in Pre-prepared Dolomite Pellets. <i>Jom</i> , 2016, 68, 3208-3213.	1.9	18
51	First-principles calculation on the structural, elastic and thermodynamic properties of Ti-Al intermetallics. <i>Materials Research Express</i> , 2019, 6, 1065a4.	1.6	18
52	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.	4.3	18
53	Mechanical stirring for highly efficient gas injection refining. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 1896-1904.	4.2	17
54	Characteristics of red mud slurry flow in carbonation reactor. <i>Powder Technology</i> , 2017, 311, 66-76.	4.2	17

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55	Decomposition mechanism of a mixed rare earth concentrate with sodium hydroxide in the microwave heating process. Minerals Engineering, 2019, 132, 220-227.	4.3	17
56	Carbochlorination of alumina and silica from high-alumina fly ash. Minerals Engineering, 2019, 130, 85-91.	4.3	17
57	A cleaner electrolysis process to recover alumina from synthetic sulfuric acid leachate of coal fly ash. Hydrometallurgy, 2020, 191, 105196.	4.3	17
58	Calcification reaction of red mud slurry with lime. Powder Technology, 2018, 333, 277-285.	4.2	16
59	A novel continuous and controllable method for fabrication of as-cast TiAl alloy. Journal of Alloys and Compounds, 2019, 789, 266-275.	5.5	16
60	Preparation and Properties of Pseudo-boehmite Obtained from High-Alumina Fly Ash by a Sintering-CO ₂ Decomposition Process. Jom, 2019, 71, 499-507.	1.9	16
61	Electrochemical separation of magnesium from solutions of magnesium and lithium chloride. Hydrometallurgy, 2020, 191, 105166.	4.3	16
62	Research Progress on the Extractive Metallurgy of Titanium and Its Alloys. Mineral Processing and Extractive Metallurgy Review, 2021, 42, 535-551.	5.0	16
63	Reductive leaching of indium-bearing zinc ferrite in sulfuric acid using sulfur dioxide as a reductant. Hydrometallurgy, 2019, 186, 192-199.	4.3	15
64	Clean production of porous-Al(OH) ₃ from fly ash. Journal of Hazardous Materials, 2020, 393, 122371.	12.4	15
65	Corrosion behavior of brass from the Western Zhou Dynasty in an archeological-corrosive medium. Journal of Alloys and Compounds, 2021, 865, 158579.	5.5	15
66	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.	3.4	14
67	Effects of extrusion and heat treatments on microstructure and mechanical properties of Mg-8Zn-1Al-0.5Cu-0.5Mn alloy. Transactions of Nonferrous Metals Society of China, 2017, 27, 73-81.	4.2	13
68	Clean and efficient utilization of low-grade high-iron sedimentary bauxite via calcification-carbonation method. Hydrometallurgy, 2019, 187, 195-202.	4.3	13
69	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.	7.9	13
70	Simultaneous separation of Fe & Al and extraction of Fe from waste coal fly ash: Altering the charge sequence of ions by electrolysis. Waste Management, 2022, 137, 50-60.	7.4	13
71	Preparation of CuCr alloys by thermit-reduction electromagnetic stirring. International Journal of Minerals, Metallurgy, and Materials, 2007, 14, 538-542.	0.2	12
72	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

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73	Transformation and Characterization of Cement Clinker Prepared from New Structured Red Mud by Sintering. <i>Jom</i> , 2019, 71, 2505-2512.	1.9	12
74	Enhanced Desilication of High Alumina Fly Ash by Combining Physical and Chemical Activation. <i>Metals</i> , 2019, 9, 411.	2.3	12
75	Separation and purification of elemental sulfur from sphalerite concentrate direct leaching residue by liquid paraffin. <i>Hydrometallurgy</i> , 2019, 186, 162-169.	4.3	12
76	Deoxidation Mechanism in Reduced Titanium Powder Prepared by Multistage Deep Reduction of TiO ₂ . <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 282-290.	2.1	12
77	Corrosion behavior of Cu-Sn bronze alloys in simulated archeological soil media. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 617-627.	1.5	12
78	Eco-friendly extraction of magnesium and lithium from salt lake brine for lithium-ion battery. <i>Journal of Cleaner Production</i> , 2021, 327, 129481.	9.3	12
79	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.	1.9	11
80	Mechanochemical decomposition on (rare earth) bastnaesite concentrate in NaOH solution. <i>Minerals Engineering</i> , 2019, 137, 27-33.	4.3	11
81	Feasibility study on the use of thiosulfate to remediate mercury-contaminated soil. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 813-821.	2.2	11
82	Dependence on the distribution of valuable elements and chemical characterizations based on different particle sizes of high alumina fly ash. <i>Fuel</i> , 2021, 291, 120225.	6.4	11
83	Mechanism of fluidized chlorination reaction of Kenya natural rutile ore. <i>Rare Metals</i> , 2014, 33, 485-492.	7.1	10
84	Numerical Investigation of Gas-Liquid Flow in a Newly Developed Carbonation Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 380-391.	3.7	10
85	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
86	Investigation of alumina preparation from aluminum chloride aqueous solution by electrical transformation. <i>Hydrometallurgy</i> , 2019, 185, 30-37.	4.3	10
87	Preparation of La ₂ O ₃ by ion-exchange membrane electrolysis of LaCl ₃ aqueous solution. <i>Journal of Rare Earths</i> , 2019, 37, 1009-1014.	4.8	10
88	Basic study on direct preparation of lithium carbonate powders by membrane electrolysis. <i>Hydrometallurgy</i> , 2020, 191, 105193.	4.3	10
89	Kinetics of carbonated decomposition of hydrogarnet with different silica saturation coefficients. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 472-482.	4.9	10
90	Numerical optimization for blades of Intermig impeller in solid-liquid stirred tank. <i>Chinese Journal of Chemical Engineering</i> , 2021, 29, 57-66.	3.5	10

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91	High purity metal lead recovery from zinc direct leaching residue via chloride leaching and direct electrolysis. Separation and Purification Technology, 2021, 263, 118329.	7.9	10
92	Volatilization and condensation behavior of magnesium vapor during magnesium production via a silicothermic process with magnesite. Vacuum, 2021, 189, 110227.	3.5	10
93	Effect of swirling flow tundish submerged entry nozzle outlet design on multiphase flow and heat transfer in mould. Ironmaking and Steelmaking, 2019, 46, 911-920.	2.1	9
94	Oxygen content of high ferrotitanium prepared by thermite method with different melt separation temperatures. Rare Metals, 2019, 38, 892-898.	7.1	9
95	Sulfur distribution in preparation of high titanium ferroalloy by thermite method with different CaO additions. Rare Metals, 2019, 38, 793-799.	7.1	9
96	Solvent Extraction of Sc(III) by D2EHPA/TBP from the Leaching Solution of Vanadium Slag. Metals, 2020, 10, 790.	2.3	9
97	Direct spray pyrolysis of aluminum chloride solution for alumina preparation. Journal of Central South University, 2014, 21, 4450-4455.	3.0	8
98	A Reaction Method for Estimating Gibbs Energy and Enthalpy of Formation of Complex Minerals. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 1123-1133.	2.1	8
99	Direct Calcification—Carbonation Method for Processing of Bayer Process Red Mud. Russian Journal of Non-Ferrous Metals, 2018, 59, 142-147.	0.6	8
100	Study on oxygen gas holdup and kinetics using various types of paddles during marmatite leaching process. Hydrometallurgy, 2018, 180, 158-171.	4.3	8
101	Electric conversion treatment of cobalt-containing wastewater. Water Science and Technology, 2021, 83, 1973-1986.	2.5	8
102	A Novel Method of Extracting Iron from High-Iron Red Mud and Preparing Low-Carbon Cement Clinker from Tailings. Jom, 2022, 74, 2750-2759.	1.9	8
103	Improvement of Impeller Blade Structure for Gas Injection Refining under Mechanical Stirring. Journal of Iron and Steel Research International, 2014, 21, 135-143.	2.8	7
104	Non-isothermal decomposition kinetics of hydrogarnet in sodium carbonate solution. Chinese Journal of Chemical Engineering, 2015, 23, 1634-1639.	3.5	7
105	Calcification Transformation of Diasporic Bauxite. Jom, 2016, 68, 1711-1716.	1.9	7
106	Reaction behaviors and amorphization effects of titanate species in pure substance systems relating to Bayer digestion. Hydrometallurgy, 2017, 171, 86-94.	4.3	7
107	Mechanochemical decomposition of mixed rare earth concentrate in the NaOH-CaO-H ₂ O system. Hydrometallurgy, 2019, 189, 105116.	4.3	7
108	Preparation of oxygen vacancy-controllable CeO ₂ by electrotransformation of a CeCl ₃ solution and its oxidation mechanism. Ceramics International, 2020, 46, 5976-5982.	4.8	7

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109	Emulsification and Flow Characteristics in Copper Oxygen-Rich Side-Blown Bath Smelting Process. <i>Metals</i> , 2020, 10, 1520.	2.3	7
110	Mechanism of Melt Separation in Preparation of Low-Oxygen High Titanium Ferroalloy Prepared by Multistage and Deep Reduction. <i>Metals</i> , 2020, 10, 309.	2.3	7
111	Preparation of Doped Iron Phosphate by Selective Precipitation of Iron from Titanium Dioxide Waste Acid. <i>Metals</i> , 2020, 10, 789.	2.3	7
112	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.	6.7	7
113	Electrochemical and passive behaviour of Cu-Sn bronze in simulated archaeological soil media. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 743-756.	1.5	7
114	Corrosion evolution of Cu-Pb alloys from the Western Zhou Dynasty in simulated archaeological soil environment. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115688.	3.8	7
115	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.	7.8	7
116	Computational Fluid Dynamics (CFD) Simulations on Multiphase Flow in Mechanically Agitated Seed Precipitation Tank. <i>Jom</i> , 2014, 66, 1218-1226.	1.9	6
117	Numerical simulation: preparation of La ₂ O ₃ in a jet pyrolysis reactor. <i>Rare Metals</i> , 2015, 34, 600-606.	7.1	6
118	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.	3.4	6
119	A new method for direct synthesis of Li ₂ CO ₃ powders by membrane electrolysis. <i>Rare Metals</i> , 2018, 37, 716-722.	7.1	6
120	Investigation of the Carbochlorination Mechanism of Mullite from Fly Ash. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2835-2845.	2.1	6
121	Titanium Extraction from Fly Ash by Carbochlorination. <i>Jom</i> , 2019, 71, 4624-4630.	1.9	6
122	Distribution and Control Mechanism of Al and O Residuals in Ferrotitanium Prepared by Aluminothermic Reduction with Insufficient Al. <i>Jom</i> , 2019, 71, 809-814.	1.9	6
123	Silicon saturation coefficient changes in hydrogarnets during the Bayer process with lime addition. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1965-1972.	3.5	6
124	Leaching of rare earths from mechanochemically decomposed bastnaesite. <i>Minerals Engineering</i> , 2020, 145, 106052.	4.3	6
125	Self-propagating reaction mechanism of Mg-TiO ₂ system in preparation process of titanium powder by multi-stage reduction. <i>Rare Metals</i> , 2021, 40, 2645-2656.	7.1	6
126	Separation and Extraction of Scandium from Titanium Dioxide Waste Acid. <i>Jom</i> , 2021, 73, 1301-1309.	1.9	6

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127	Experimental Research on Vortex Melting Reduction of High-Iron Red Mud (Bauxite Residue). Bulletin of Environmental Contamination and Toxicology, 2022, 109, 155-162.	2.7	6
128	Electroconversion synthesis of Ni/Co layered nanomaterials for high-performance supercapacitors. Journal of Alloys and Compounds, 2022, , 165360.	5.5	6
129	Simultaneous and clean separation of titanium, iron, and alumina from coal fly ash in one spot: Electrolysis-hydrolysis method. Separation and Purification Technology, 2022, 294, 121247.	7.9	6
130	Estimation Model for Electrical Conductivity of CaF ₂ -CaO-Al ₂ O ₃ Slags. Jom, 2016, 68, 2365-2370.	1.9	5
131	Effect of nanoboron carbide particles on properties of copper-matrix/graphite composite materials. Materials Research Express, 2019, 6, 0950c7.	1.6	5
132	Preparation of Metal Lead from Waste Lead Paste by Direct Electrochemical Reduction in NH ₃ -NH ₄ Cl Solution. Jom, 2019, 71, 4518-4527.	1.9	5
133	Assessment of Bauxite Residue for Reclamation Purposes After Calcificationâ€“Carbonization Treatment. Jom, 2019, 71, 2944-2951.	1.9	5
134	Condensation Behavior of Magnesium Metal in Argon Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 3098-3107.	2.1	5
135	Multistage desulfurization mechanism to reduce sulfur content of high ferrotitanium prepared using thermite method. Rare Metals, 2021, 40, 2313-2319.	7.1	5
136	Overview of process control of novel calcificationâ€“carbonation process for bauxite residue treatment. Hydrometallurgy, 2021, 199, 105536.	4.3	5
137	Bubble behavior in cylindrical and square vessels under centric mechanical stirring. Journal of Iron and Steel Research International, 2021, 28, 1243-1250.	2.8	5
138	Electrolysis designed for clean production of selective iron products from coal fly ash leachate. Hydrometallurgy, 2021, 203, 105617.	4.3	5
139	Comprehensive Application Technology of Bauxite Residue Treatment in the Ecological Environment: A Review. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 209-214.	2.7	5
140	A Thermodynamic and Experimental Assessment of the Recovery of Copper, Iron, Zinc, and Lead from Copper Slag. Minerals (Basel, Switzerland), 2022, 12, 496.	2.0	5
141	Research on Bayer Red Mud Slurry Electrolysis. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 101-109.	2.7	5
142	Progress in the Preparation of Large-Size High-Performance CuCr Alloys. Advances in Materials Science and Engineering, 2022, 2022, 1-18.	1.8	5
143	Hydrothermal conversion of Ti-containing minerals in system of Na ₂ Oâ€“Al ₂ O ₃ â€“SiO ₂ â€“CaOâ€“TiO ₂ â€“H ₂ O. Rare Metals, 2016, 35, 495-501.	7.1	4
144	Research on Sulfur Conversion Behavior in Oxygen Pressure Acid Leaching Process of High Indium Sphalerite. Minerals, Metals and Materials Series, 2018, , 199-208.	0.4	4

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145	Roasting Pre-Treatment of High-Sulfur Bauxite for Sulfide Removal and Digestion Performance of Roasted Ore. Russian Journal of Non-Ferrous Metals, 2018, 59, 493-501.	0.6	4
146	Simulation of the Scale-up Process of a Venturi Jet Pyrolysis Reactor. Metals, 2019, 9, 979.	2.3	4
147	Zeolite a preparation from high alumina fly ash of china using alkali fusion and hydrothermal synthesis method. Materials Research Express, 2019, 6, 065049.	1.6	4
148	Effects of Additives on Alumina Preparation from Aluminum Chloride Solution by Electrolytic Transformation. Jom, 2019, 71, 1574-1580.	1.9	4
149	Carbochlorination Kinetics of High-Alumina Fly Ash. Jom, 2019, 71, 492-498.	1.9	4
150	Alumina Extraction from Kaolinite via Calcification-Carbonation Process. Russian Journal of Non-Ferrous Metals, 2020, 61, 248-256.	0.6	4
151	Clean production of rare earth oxide from rare earth chloride solution by electrical transformation. Hydrometallurgy, 2020, 197, 105372.	4.3	4
152	Mechanisms of Metal-Slag Separation Behavior in Thermite Reduction for Preparation of TiAl Alloy. Journal of Materials Engineering and Performance, 2021, 30, 9315-9325.	2.5	4
153	Wet Treatment of Ni-Containing Electroplating Wastewater Doped with Fe and Co as a Hydrogen Evolution Catalyst. Energy & Fuels, 2022, 36, 4107-4117.	5.1	4
154	Study on Reductive Smelting of High-Iron Red Mud for Iron Recovery. Metals, 2022, 12, 639.	2.3	4
155	Reduction Kinetics of Copper Slag by H ₂ . Minerals (Basel, Switzerland), 2022, 12, 548.	2.0	4
156	Kinetics of the Leaching Process of an Australian Gibbsite Bauxite by Hydrochloric Acid. Advances in Materials Science and Engineering, 2016, 2016, 1-6.	1.8	3
157	Phase transition of bastnaesite concentrate in calcification process. Rare Metals, 2016, 35, 649-654.	7.1	3
158	Viscosities in PbO - ZnO - Fe _x O - SiO ₂ - CaO system for lead and zinc smelting slags. Metallurgical Research and Technology, 2019, 116, 606.	0.7	3
159	Studies on Copper-Coated Boron Carbide Particle-Reinforced Copper-Matrix/Graphite Self-Lubricating Composite Materials. Russian Journal of Non-Ferrous Metals, 2019, 60, 575-582.	0.6	3
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