

Zhi-He Dou

List of Publications by Year in descending order

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papers

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840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Decomposition of the mixed rare earth concentrate by microwave-assisted method. <i>Journal of Rare Earths</i> , 2016, 34, 529-535.	4.8	38
3	Influence of microwave heating on the extractions of fluorine and Rare Earth elements from mixed rare earth concentrate. <i>Hydrometallurgy</i> , 2016, 162, 104-110.	4.3	23
4	Microwave strengthens decomposition of mixed rare earth concentrate: Microwave absorption characteristics. <i>Journal of Rare Earths</i> , 2019, 37, 541-546.	4.8	23
5	Study on leaching rare earths from bastnaesite treated by calcification transition. <i>Journal of Rare Earths</i> , 2014, 32, 1043-1047.	4.8	20
6	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
7	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
8	Decomposition mechanism of a mixed rare earth concentrate with sodium hydroxide in the microwave heating process. <i>Minerals Engineering</i> , 2019, 132, 220-227.	4.3	17
9	A novel continuous and controllable method for fabrication of as-cast TiAl alloy. <i>Journal of Alloys and Compounds</i> , 2019, 789, 266-275.	5.5	16
10	Research Progress on the Extractive Metallurgy of Titanium and Its Alloys. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021, 42, 535-551.	5.0	16
11	Preparation of CuCr alloys by thermit-reduction electromagnetic stirring. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2007, 14, 538-542.	0.2	12
12	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
13	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
14	Mechanochemical decomposition on (rare earth) bastnaesite concentrate in NaOH solution. <i>Minerals Engineering</i> , 2019, 137, 27-33.	4.3	11
15	Basic study on direct preparation of lithium carbonate powders by membrane electrolysis. <i>Hydrometallurgy</i> , 2020, 191, 105193.	4.3	10
16	Oxygen content of high ferrotitanium prepared by thermit method with different melt separation temperatures. <i>Rare Metals</i> , 2019, 38, 892-898.	7.1	9
17	Sulfur distribution in preparation of high titanium ferroalloy by thermit method with different CaO additions. <i>Rare Metals</i> , 2019, 38, 793-799.	7.1	9
18	Mechanochemical decomposition of mixed rare earth concentrate in the NaOH-CaO-H ₂ O system. <i>Hydrometallurgy</i> , 2019, 189, 105116.	4.3	7

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Leaching of rare earths from mechanochemically decomposed bastnaesite. <i>Minerals Engineering</i> , 2020, 145, 106052.	4.3	6
23	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
24	Estimation Model for Electrical Conductivity of CaF ₂ -CaO-Al ₂ O ₃ Slags. <i>Jom</i> , 2016, 68, 2365-2370.	1.9	5
25	Effect of magnesium injection process on hot metal desulfurization. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 1391-1399.	2.8	5
26	Physical simulation of bubble refinement in bottom blowing process with mechanical agitation. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 1137-1144.	2.8	5
27	Kinetics of hot metal desulfurization by bottom-blowing magnesium vapor. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 392-401.	2.8	5
28	Multistage desulfurization mechanism to reduce sulfur content of high ferrotitanium prepared using thermite method. <i>Rare Metals</i> , 2021, 40, 2313-2319.	7.1	5
29	Progress in the Preparation of Large-Size High-Performance CuCr Alloys. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-18.	1.8	5
30	Utilization Rate of Magnesium in Hot Metal Desulfurization by Magnesium Vapor Injection. <i>ISIJ International</i> , 2020, 60, 915-921.	1.4	4
31	Mechanisms of Metal-Slag Separation Behavior in Thermite Reduction for Preparation of TiAl Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 9315-9325.	2.5	4
32	Decomposition process of bastnaesite concentrate in NaOH CaO H ₂ O system. <i>Journal of Rare Earths</i> , 2019, 37, 760-766.	4.8	3
33	Al Control in High Titanium Ferro with Low Oxygen Prepared by Thermite Reaction. , 2015, , 11-17.		2
34	In-Situ Synthesis and Characterizations of a Novel Aluminum Bronze Composite Reinforced with Micro-Size Tungsten Particles. <i>Jom</i> , 2022, 74, 4146-4153.	1.9	2
35	A new method of preparing NdB ₆ ultra-fine powders. <i>Rare Metals</i> , 2022, 41, 2363-2369.	7.1	1
36	Kinetic study on bastnaesite concentrate mechanochemical decomposition in NaOH solution. <i>Journal of Rare Earths</i> , 2020, 38, 418-426.	4.8	1

#	ARTICLE	IF	CITATIONS
37	Effect of Sample Preparation Pressure on Transformation Law of Low-Valent Titanium Oxide in a Multi-Stage Reduction Process. <i>Metals</i> , 2020, 10, 1259.	2.3	1
38	Study of the Mechanochemical Calcification for Mixed Rare Earth Concentrate. <i>Minerals, Metals and Materials Series</i> , 2018, , 77-86.	0.4	0