Zhi-He Dou

List of Publications by Year
in descending order

39	283	1040056 9	1058476 14
papers	citations	h-index	g-index

40	40	40	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new method of preparing NdB6 ultra-fine powders. Rare Metals, 2022, 41, 2363-2369.	7.1	1
2	Synthesis of As-Cast WCu Composite Containing Micro- and Nano-Size Tungsten Particles Using Aluminothermic Reduction. Jom, 2022, 74, 931.	1.9	1
3	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
4	In-Situ Synthesis and Characterizations of a Novel Aluminum Bronze Composite Reinforced with Micro-Size Tungsten Particles. Jom, 2022, 74, 4146-4153.	1.9	2
5	Progress in the Preparation of Large-Size High-Performance CuCr Alloys. Advances in Materials Science and Engineering, 2022, 2022, 1-18.	1.8	5
6	Research Progress on the Extractive Metallurgy of Titanium and Its Alloys. Mineral Processing and Extractive Metallurgy Review, 2021, 42, 535-551.	5.0	16
7	Adsorption of Au(III) ions on xanthated crosslinked chitosan resin in hydrochloric acid medium. Rare Metals, 2021, 40, 743-748.	7.1	9
8	Multistage desulfurization mechanism to reduce sulfur content of high ferrotitanium prepared using thermite method. Rare Metals, 2021, 40, 2313-2319.	7.1	5
9	Self-propagating reaction mechanism of Mgâ€“TiO2 system in preparation process of titanium powder by multi-stage reduction. Rare Metals, 2021, 40, 2645-2656.	7.1	6
10	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
11	Utilization Rate of Magnesium in Hot Metal Desulfurization by Magnesium Vapor Injection. ISIJ International, 2020, 60, 915-921.	1.4	4
12	Corrosion behavior of Cuâ€“Sn bronze alloys in simulated archeological soil media. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 617-627.	1.5	12
13	Dissolution Behavior of Al2O3 Inclusions in CaO-Al2O3 Based Slag Representing Aluminothermic Reduction Slag. Crystals, 2020, 10, 1061.	2.2	9
14	Effect of magnesium injection process on hot metal desulfurization. Journal of Iron and Steel Research International, 2020, 27, 1391-1399.	2.8	5
15	Physical simulation of bubble refinement in bottom blowing process with mechanical agitation. Journal of Iron and Steel Research International, 2020, 27, 1137-1144.	2.8	5
16	Kinetics of hot metal desulfurization by bottom-blowing magnesium vapor. Journal of Iron and Steel Research International, 2020, 27, 392-401.	2.8	5
17	Process and Kinetic Assessment of Vanadium Extraction from Vanadium Slag Using Calcification Roasting and Sodium Carbonate Leaching. Jom, 2019, 71, 4600-4607.	1.9	20
18	An Alternative Technique for the Extraction of Valuable Elements from Fly Ash: the Carbochlorination Method. Russian Journal of Non-Ferrous Metals, 2019, 60, 52-60.	0.6	3

#	Article	IF	Citations
19	Simulation of Process and Reactor Structure Optimization for CeO2 Preparation from Jet-Flow Pyrolysis. Jom, 2019, 71, 1660-1666.	1.9	5
20	Kinetics of Magnesium and Calcium Extraction from Fly Ash by Carbochlorination. Jom, 2019, 71, 2798-2805.	1.9	2
21	Oxygen content of high ferrotitanium prepared by thermite method with different melt separation temperatures. Rare Metals, 2019, 38, 892-898.	7.1	9
22	Numerical simulation of preparation of ultrafine cerium oxides using jet-flow pyrolysis. Rare Metals, 2019, 38, 1160-1168.	7.1	7
23	Numerical Simulations of Irregular CeO2 Particle Size Distributions. Jom, 2019, 71, 34-39.	1.9	3
24	Preparation and Properties of Pseudo-boehmite Obtained from High-Alumina Fly Ash by a Sinteringâ€“CO2 Decomposition Process. Jom, 2019, 71, 499-507.	1.9	16
25	Distribution and Control Mechanism of Al and O Residuals in Ferrotitanium Prepared by Aluminothermic Reduction with Insufficient Al. Jom, 2019, 71, 809-814.	1.9	6
26	Sulfur distribution in preparation of high titanium ferroalloy by thermite method with different CaO additions. Rare Metals, 2019, 38, 793-799.	7.1	9
27	Moderate Dilution of Copper Slag by Natural Gas. Jom, 2018, 70, 47-52.	1.9	19
28	Process strengthening for electrochemical reduction of solid TiO2 to Ti in situ. Rare Metals, 2018, , 1.	7.1	0
29	A new energy-efficient and environmentally friendly process to produce magnesium. Canadian Metallurgical Quarterly, 2017, 56, 418-425.	1.2	13
30	Phase transition of bastnaesite concentrate in calcification process. Rare Metals, 2016, 35, 649-654.	7.1	3
31	Magnesium Production by Silicothermic Reduction of Dolime in Pre-prepared Dolomite Pellets. Jom, 2016, 68, 3208-3213.	1.9	18
32	Estimation Model for Electrical Conductivity of CaF2-CaO-Al2O3 Slags. Jom, 2016, 68, 2365-2370.	1.9	5
33	Numerical simulation: preparation of La2O3 in a jet pyrolysis reactor. Rare Metals, 2015, 34, 600-606.	7.1	6
34	A1 Control in High Titanium Ferro with Low Oxygen Prepared by Thermite Reaction. , 2015, , 11-17.		0
35	Direct spray pyrolysis of aluminum chloride solution for alumina preparation. Journal of Central South University, 2014, 21, 4450-4455.	3.0	8
36	High-Temperature Jet Spray Reactor for the Preparation of Rare Earth Oxides by Pyrolysis: Computer Simulation. Jom, 2014, 66, 1647-1653.	1.9	2

#	Article	IF	Citations
37	Study on leaching rare earths from bastnaesite treated by calcification transition. Journal of Rare Earths, 2014, 32, 1043-1047.	4.8	20
38	Preparation of amorphous nano-boron powder with high activity by combustion synthesis. Journal of Central South University, 2014, 21, 900-903.	3.0	9
39	Characteristics of Fluid Flows in a Novel Self-Stirring Reactor. Jom, 2014, 66, 1197-1201.	1.9	2