

Meilong Hu

List of Publications by Year in descending order

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papers

527
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759233

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36
all docs

36
docs citations

36
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of thermal equivalent circuit model of heat pipe-based thermal management system for a battery module with cylindrical cells. <i>Applied Thermal Engineering</i> , 2020, 164, 114523.	6.0	121
2	Structure Analysis of CaO-SiO ₂ -Al ₂ O ₃ -TiO ₂ Slag by Molecular Dynamics Simulation and FT-IR Spectroscopy. <i>ISIJ International</i> , 2014, 54, 734-742.	1.4	46
3	Structural transformation of fluid phase extracted from coal matrix during thermoplastic stage of coal pyrolysis. <i>Fuel</i> , 2018, 232, 374-383.	6.4	40
4	Effect of basicity on the crystallization behavior of TiO ₂ -CaO-SiO ₂ ternary system slag. <i>CrystEngComm</i> , 2018, 20, 5422-5431.	2.6	33
5	Crystallization Behavior of Perovskite in the Synthesized High-Titanium-Bearing Blast Furnace Slag Using Confocal Scanning Laser Microscope. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014, 45, 76-85.	2.1	31
6	A Review on Recycling and Reutilization of Blast Furnace Dust as a Secondary Resource. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 340-357.	2.3	30
7	Thermal behavior and organic functional structure of poplar-fat coal blends during co-pyrolysis. <i>Renewable Energy</i> , 2019, 136, 308-316.	8.9	25
8	Transformation of organic sulfur and its functional groups in nantong and laigang coal under microwave irradiation. <i>Journal of Computational Chemistry</i> , 2019, 40, 2749-2760.	3.3	15
9	Effects of Fe ₂ O ₃ addition on the thermoplasticity and structure of coking coal matrix during thermoplastic stage of pyrolysis. <i>Fuel</i> , 2020, 260, 116305.	6.4	15
10	The synthesis of sulfur-doped graphite nanostructures by direct electrochemical conversion of CO ₂ in CaCl ₂ /NaCl/CaO/Li ₂ SO ₄ . <i>Carbon</i> , 2019, 144, 805-814.	10.3	14
11	The Review of Microwave Applications in Metallurgical Process in China. <i>ISIJ International</i> , 2007, 47, 528-532.	1.4	13
12	Nonisothermal Carbothermal Reduction Kinetics of Titanium-Bearing Blast Furnace Slag. <i>Jom</i> , 2018, 70, 1443-1448.	1.9	13
13	Synthesis of TiC nanotube arrays and their excellent supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9932-9940.	10.3	13
14	Relationship between Texture Features and Mineralogy Phases in Iron Ore Sinter Based on Gray-level Co-occurrence Matrix. <i>ISIJ International</i> , 2009, 49, 709-718.	1.4	12
15	Direct Electro-deoxidation of Ilmenite Concentrate to Prepare FeTi Alloy in CaCl ₂ Molten Salt. <i>High Temperature Materials and Processes</i> , 2014, 33, 377-383.	1.4	11
16	Structure, Growth Process, and Growth Mechanism of Perovskite in High-Titanium-Bearing Blast Furnace Slag. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 1751-1759.	2.1	11
17	Drying kinetics of Philippine nickel laterite by microwave heating. <i>Drying Technology</i> , 2018, 36, 849-858.	3.1	10
18	Initial Reactions at the Electrodes of the FFC-Cambridge Process in Molten CaCl ₂ to Produce Ti. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 3403-3412.	2.1	10

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19	Influence of TiO ₂ addition on the structure and metallurgical properties of coke. International Journal of Coal Preparation and Utilization, 2021, 41, 521-537.	2.1	10
20	Effect of TiO ₂ Content on the Crystallization Behavior of Titanium-Bearing Blast Furnace Slag. Jom, 2016, 68, 2502-2510.	1.9	9
21	Phase Transformations and Deoxidation Kinetics during the Electrochemical Reduction of TiO ₂ in Molten CaCl ₂ . Materials Transactions, 2019, 60, 416-421.	1.2	9
22	Relationship between Mineragraphy Features of Sinter Ore and Its Gray Histogram. ISIJ International, 2008, 48, 186-193.	1.4	8
23	Effect of the Changed Electrolytic Cell on the Current Efficiency in FFC Cambridge Process. Materials Transactions, 2017, 58, 322-325.	1.2	7
24	Chemical Thermodynamics and Kinetics of Thiophenic Sulfur Removed from Coal by Microwave: A Density Functional Theory Study. Journal of Sustainable Metallurgy, 2021, 7, 1379-1392.	2.3	7
25	Preparation of (VNbTaZrHf)C high-entropy carbide nanoparticles via electro-deoxidation in molten salt and their supercapacitive behaviour. Canadian Metallurgical Quarterly, 2022, 61, 389-397.	1.2	5
26	Research on the reduction of iron ore in the process of closed recycle of vent gas. Journal of Cleaner Production, 2020, 268, 121951.	9.3	4
27	Reducing Carbon Contamination by Controlling CO ₃ ²⁻ Formation During Electrochemical Reduction of TiO ₂ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1061-1070.	2.1	3
28	Preparation of TiC by carbothermal reduction in vacuum and acid leaching using blast furnace slag bearing titania. Green Processing and Synthesis, 2016, 5, .	3.4	1
29	Effect of Wettability between Molten Salt with Graphite Anode on the Electro-Reduction of Titanium Dioxide. Jom, 2019, 71, 1033-1040.	1.9	1
30	Influence of anode current density on carbon parasitic reactions during electrolysis. Chinese Journal of Chemical Engineering, 2021, 39, 314-319.	3.5	0