Meilong Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	527 citations	759233 12 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	381 citing authors

#	Article	IF	Citations
1	Synthesis of TiC nanotube arrays and their excellent supercapacitor performance. Journal of Materials Chemistry A, 2022, 10, 9932-9940.	10.3	13
2	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
3	Influence of TiO₂ addition on the structure and metallurgical properties of coke. International Journal of Coal Preparation and Utilization, 2021, 41, 521-537.	2.1	10
4	Reducing Carbon Contamination by Controlling CO32â˜ Formation During Electrochemical Reduction of TiO2. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1061-1070.	2.1	3
5	Influence of anode current density on carbon parasitic reactions during electrolysis. Chinese Journal of Chemical Engineering, 2021, 39, 314-319.	3.5	0
6	A Review on Recycling and Reutilization of Blast Furnace Dust as a Secondary Resource. Journal of Sustainable Metallurgy, 2021, 7, 340-357.	2.3	30
7	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
8	Effects of Fe2O3 addition on the thermoplasticity and structure of coking coal matrix during thermoplastic stage of pyrolysis. Fuel, 2020, 260, 116305.	6.4	15
9	Development of thermal equivalent circuit model of heat pipe-based thermal management system for a battery module with cylindrical cells. Applied Thermal Engineering, 2020, 164, 114523.	6.0	121
10	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
11	Transformation of organic sulfur and its functional groups in nantong and laigang coal under microwave irradiation. Journal of Computational Chemistry, 2019, 40, 2749-2760.	3.3	15
12	Effect of Wettability between Molten Salt with Graphite Anode on the Electro-Reduction of Titanium Dioxide. Jom, 2019, 71, 1033-1040.	1.9	1
13	Phase Transformations and Deoxidation Kinetics during the Electrochemical Reduction of TiO₂ in Molten CaCl₂. Materials Transactions, 2019, 60, 416-421.	1.2	9
14	The synthesis of sulfur-doped graphite nanostructures by direct electrochemical conversion of CO2 in CaCl2NaCl CaO Li2SO4. Carbon, 2019, 144, 805-814.	10.3	14
15	Thermal behavior and organic functional structure of poplar-fat coal blends during co-pyrolysis. Renewable Energy, 2019, 136, 308-316.	8.9	25
16	Drying kinetics of Philippine nickel laterite by microwave heating. Drying Technology, 2018, 36, 849-858.	3.1	10
17	Initial Reactions at the Electrodes of the FFC-Cambridge Process in Molten CaCl2 to Produce Ti. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 3403-3412.	2.1	10
18	Nonisothermal Carbothermal Reduction Kinetics of Titanium-Bearing Blast Furnace Slag. Jom, 2018, 70, 1443-1448.	1.9	13

#	Article	IF	Citations
19	Effect of basicity on the crystallization behavior of TiO₂â€“CaOâ€“SiO₂ ternary system slag. CrystEngComm, 2018, 20, 5422-5431.	2.6	33
20	Structural transformation of fluid phase extracted from coal matrix during thermoplastic stage of coal pyrolysis. Fuel, 2018, 232, 374-383.	6.4	40
21	Effect of the Changed Electrolytic Cell on the Current Efficiency in FFC Cambridge Process. Materials Transactions, 2017, 58, 322-325.	1.2	7
22	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
23	Effect of TiO2 Content on the Crystallization Behavior of Titanium-Bearing Blast Furnace Slag. Jom, 2016, 68, 2502-2510.	1.9	9
24	Structure, Growth Process, and Growth Mechanism of Perovskite in High-Titanium-Bearing Blast Furnace Slag. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 1751-1759.	2.1	11
25	Structure Analysis of CaOâ€“SiO2â€“Al2O3â€“TiO2 Slag by Molecular Dynamics Simulation and FT-IR Spectroscopy. ISIJ International, 2014, 54, 734-742.	1.4	46
26	Direct Electro-deoxidation of Ilmenite Concentrate to Prepare FeTi Alloy in CaCl₂ Molten Salt. High Temperature Materials and Processes, 2014, 33, 377-383.	1.4	11
27	Crystallization Behavior of Perovskite in the Synthesized High-Titanium-Bearing Blast Furnace Slag Using Confocal Scanning Laser Microscope. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 76-85.	2.1	31
28	Relationship between Texture Features and Mineralogy Phases in Iron Ore Sinter Based on Gray-level Co-occurrence Matrix. ISIJ International, 2009, 49, 709-718.	1.4	12
29	Relationship between Mineragraphy Features of Sinter Ore and Its Gray Histogram. ISIJ International, 2008, 48, 186-193.	1.4	8
30	The Review of Microwave Applications in Metallurgical Process in China. ISIJ International, 2007, 47, 528-532.	1.4	13