

Hongwei Guo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Understanding reactions between water and steelmaking slags: Iron distribution, hydrogen generation, and phase transformations. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 20741-20754.	7.1	5
2	Function Mechanism of Sodium Sulfate Additive on Iron Carbide Preparation with Low-Grade Siderite. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 689-699.	2.1	3
3	The Concurrent Sintering-Crystallization Behavior of Fluoride-Containing Wollastonite Glass-Ceramics. <i>Materials</i> , 2021, 14, 681.	2.9	1
4	Green Technology-Based Utilization of Refractory Siderite Ores to Prepare Electric Arc Furnace Burden. <i>Steel Research International</i> , 2021, 92, 2100046.	1.8	4
5	Recycling of Blast Furnace Slag and Fluorite Tailings into Diopside-Based Glass-Ceramics with Various Nucleating Agents's™ Addition. <i>Sustainability</i> , 2021, 13, 11144.	3.2	8
6	Novel concept of steam modification towards energy and iron recovery from steel slag: Oxidation mechanism and process evaluation. <i>Journal of Cleaner Production</i> , 2020, 254, 119952.	9.3	9
7	Effect of Fe ₂ O ₃ and MgO on the crystallization behaviour, sinterability and properties of the CaO-Al ₂ O ₃ -SiO ₂ glass-ceramics. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 979-986.	1.9	7
8	CO fuel and ¹³ C-LiAlO ₂ production through alkali carbonate-assisted CO ₂ splitting by reusing aluminum wastes. <i>Journal of CO₂ Utilization</i> , 2020, 39, 101168.	6.8	1
9	Process characteristics of catalytic thermochemical conversion of oily sludge with addition of steel slag towards energy and iron recovery. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103911.	6.7	18
10	Effects of CaF ₂ on the sintering and crystallisation of CaO-MgO-Al ₂ O ₃ -SiO ₂ glass-ceramics. <i>Ceramics International</i> , 2020, 46, 17825-17835.	4.8	40
11	Carburization Behavior of Siderite Pellets in CO-CO ₂ -H ₂ Mixtures. <i>Steel Research International</i> , 2019, 90, 1800433.	1.8	6
12	Preparation of CaMgAl-LDHs and mesoporous silica sorbents derived from blast furnace slag for CO ₂ capture. <i>RSC Advances</i> , 2019, 9, 6054-6063.	3.6	18
13	Vitrification of blast furnace slag and fluorite tailings for giving diopside-fluorapatite glass-ceramics. <i>Materials Letters</i> , 2018, 218, 309-312.	2.6	27
14	Influence of low magnesia content on the CaO-Al ₂ O ₃ -SiO ₂ glass-ceramics: Its crystallization behaviour, microstructure and physical properties. <i>Ceramics International</i> , 2018, 44, 20132-20139.	4.8	32
15	Study on the Extraction of Aluminum From Aluminum Dross Using Alkali Roasting and Subsequent Synthesis of Mesoporous ¹³ C-Alumina. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2906-2916.	2.1	18
16	NaA zeolite derived from blast furnace slag: its application for ammonium removal. <i>Water Science and Technology</i> , 2017, 76, 1140-1149.	2.5	13
17	Recovery of Iron from Pyrite Cinder Containing Non-ferrous Metals Using High-Temperature Chloridizing-Reduction-Magnetic Separation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 933-942.	2.1	13