

Fanmao Wang

List of Publications by Year in descending order

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papers

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14
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14
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108
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in recovery and recycling of kerf loss silicon waste in photovoltaic industry. Separation and Purification Technology, 2021, 254, 117581.	7.9	54
2	Thermodynamics and Kinetics of Boron Removal from Metallurgical Grade Silicon by Addition of High Basic Potassium Carbonate to Calcium Silicate Slag. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1796-1803.	2.1	27
3	Removal of impurities from metallurgical grade silicon by addition of ZnO to calcium silicate slag. Separation and Purification Technology, 2016, 170, 248-255.	7.9	19
4	Recovery of high purity Si from kerf-loss Si slurry waste by flotation method using PEA collector. Waste Management, 2020, 115, 1-7.	7.4	19
5	Diffusion and mass transfer of boron in molten silicon during slag refining process of metallurgical grade silicon. Fluid Phase Equilibria, 2015, 404, 70-74.	2.5	12
6	Experimental determination of diffusion and mass transfer of boron oxide in molten slag for metallurgical grade silicon purification. Journal of Chemical Thermodynamics, 2018, 118, 215-224.	2.0	12
7	Solid State Extraction of Nickel from Nickel Sulfide Concentrates. Journal of Alloys and Compounds, 2020, 822, 153582.	5.5	11
8	Thermal upgrading of nickeliferous pyrrhotite tailings: Formation mechanism of ferronickel alloy. Minerals Engineering, 2019, 134, 206-214.	4.3	9
9	Effect of zinc oxide addition in slag system and heating manner on boron removal from metallurgical grade silicon. Materials Science in Semiconductor Processing, 2017, 57, 59-62.	4.0	6
10	Generation of titania-rich slag and iron from ilmenite concentrate by carbothermic reduction and magnetic separation in the presence of Na ₂ CO ₃ . Canadian Metallurgical Quarterly, 2020, 59, 393-404.	1.2	6
11	Optimum Treatment Time for Solid-State Extraction of Nickel from Nickel Sulfide Concentrates at 1073 K. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 2642-2652.	2.1	4
12	Ferronickel Generation from Nickel Sulfide Concentrates by Metallic Iron Addition: Optimization of the Nickel Extraction Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 3120-3129.	2.1	2
13	One-Step Extraction of Nickel from Nickel Sulfide Concentrates by Iron Addition. Minerals, Metals and Materials Series, 2021, , 243-249.	0.4	1
14	Nickel Extraction from Nickel Sulfide Concentrates by Iron Addition: Ferronickel Formation Mechanism. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 3920-3929.	2.1	1