

# Xiaoming Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,055  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of red mud in cement production: a review. <i>Waste Management and Research</i> , 2011, 29, 1053-1063.	3.9	167
2	Intermediate-calcium based cementitious materials prepared by MSWI fly ash and other solid wastes: hydration characteristics and heavy metals solidification behavior. <i>Journal of Hazardous Materials</i> , 2018, 349, 262-271.	12.4	147
3	Applications of red mud as an environmental remediation material: A review. <i>Journal of Hazardous Materials</i> , 2021, 408, 124420.	12.4	133
4	Micro-structural characterization of the hydration products of bauxite-calcination-method red mud-coal gangue based cementitious materials. <i>Journal of Hazardous Materials</i> , 2013, 262, 428-438.	12.4	87
5	Preparation of non-sintered permeable bricks using electrolytic manganese residue: Environmental and NH <sub>3</sub> -N recovery benefits. <i>Journal of Hazardous Materials</i> , 2019, 378, 120768.	12.4	79
6	Preparation and characterization of cement treated road base material utilizing electrolytic manganese residue. <i>Journal of Cleaner Production</i> , 2019, 232, 980-992.	9.3	74
7	Preparation of road base material by utilizing electrolytic manganese residue based on Si-Al structure: Mechanical properties and Mn <sup>2+</sup> stabilization/solidification characterization. <i>Journal of Hazardous Materials</i> , 2020, 390, 122188.	12.4	73
8	Hydration mechanism and leaching behavior of bauxite-calcination-method red mud-coal gangue based cementitious materials. <i>Journal of Hazardous Materials</i> , 2016, 314, 172-180.	12.4	69
9	Hydration characteristics and environmental friendly performance of a cementitious material composed of calcium silicate slag. <i>Journal of Hazardous Materials</i> , 2016, 306, 67-76.	12.4	62
10	Binary reaction behaviors of red mud based cementitious material <sup>1/4</sup> Hydration characteristics and Na <sup>+</sup> utilization. <i>Journal of Hazardous Materials</i> , 2021, 410, 124592.	12.4	48
11	Preparation, characterization, and application of an eco-friendly sand-fixing material largely utilizing coal-based solid waste. <i>Journal of Hazardous Materials</i> , 2019, 373, 294-302.	12.4	43
12	Investigation on sulfate activation of electrolytic manganese residue on early activity of blast furnace slag in cement-based cementitious material. <i>Construction and Building Materials</i> , 2019, 229, 116831.	7.2	41
13	Applications of Red Mud as a Masonry Material: A Review. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 215-227.	2.7	11
14	Effect of Electrolytic Manganese Residue in Fly Ash-Based Cementitious Material: Hydration Behavior and Microstructure. <i>Materials</i> , 2021, 14, 7047.	2.9	8
15	Research on reduction of Fe <sub>2</sub> O <sub>3</sub> by biomass sawdust. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017, 22, 280-285.	0.9	6
16	Improved contourlet transform construction and its application to surface defect recognition of metals. <i>Multidimensional Systems and Signal Processing</i> , 2020, 31, 951-964.	2.6	5
17	Quantitative phase analysis of the calcium silicate slag as the residue of extracting alumina from high-alumina fly ash. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016, 21, 729-736.	0.9	2