

# Jiajie Li

## List of Publications by Year in descending order

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papers

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citations

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#	ARTICLE	IF	CITATIONS
1	Influence of the key factors on the performance of steel slag-desulphurisation gypsum-based hydration-carbonation materials. <i>Journal of Building Engineering</i> , 2022, 45, 103591.	1.6	12
2	The hydration mechanism of magnesium oxysulfate cement prepared by magnesium desulfurization byproducts. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1211-1220.	2.6	10
3	Mechanical activation of medium basicity steel slag under dry condition for carbonation curing. <i>Journal of Building Engineering</i> , 2022, 50, 104123.	1.6	17
4	The effect of mineral composition on direct aqueous carbonation of ultramafic mine waste rock for CO <sub>2</sub> sequestration, a case study of Turnagain ultramafic complex in British Columbia, Canada. <i>International Journal of Mining, Reclamation and Environment</i> , 2022, 36, 267-286.	1.2	6
5	Orthogonal Test Design for the Optimization of Preparation of Steel Slag-Based Carbonated Building Materials with Ultramafic Tailings as Fine Aggregates. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 246.	0.8	12
6	Carbonation Curing on Magnetically Separated Steel Slag for the Preparation of Artificial Reefs. <i>Materials</i> , 2022, 15, 2055.	1.3	10
7	Market Stakeholder Analysis of the Practical Implementation of Carbonation Curing on Steel Slag for Urban Sustainable Governance. <i>Energies</i> , 2022, 15, 2399.	1.6	9
8	Promotion effects of gypsum on carbonation of aluminates in medium Al ladle furnace refining slag. <i>Construction and Building Materials</i> , 2022, 336, 127567.	3.2	7
9	Optimization of the whole-waste binder containing molten iron desulfurization slag from Kambara Reactor for concrete production. <i>Journal of Building Engineering</i> , 2022, 54, 104594.	1.6	1
10	Study on Mineral Compositions of Direct Carbonated Steel Slag by QXRD, TG, FTIR, and XPS. <i>Energies</i> , 2021, 14, 4489.	1.6	15
11	Use of CO <sub>2</sub> to Cure Steel Slag and Gypsum-Based Material. <i>Energies</i> , 2021, 14, 5174.	1.6	7
12	Carbonation of steel slag and gypsum for building materials and associated reaction mechanisms. <i>Cement and Concrete Research</i> , 2019, 125, 105893.	4.6	122
13	Direct aqueous carbonation on olivine at a CO <sub>2</sub> partial pressure of 6.5 MPa. <i>Energy</i> , 2019, 173, 902-910.	4.5	31
14	Development of stabilized Ca-based CO <sub>2</sub> sorbents supported by fly ash. <i>Chemical Engineering Journal</i> , 2018, 345, 312-319.	6.6	30
15	Economic analysis on the application of mechanical activation in an integrated mineral carbonation process. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 63-71.	1.9	16
16	Mechanical activation of magnesium silicates for mineral carbonation, a review. <i>Minerals Engineering</i> , 2018, 128, 69-83.	1.8	75
17	Integrated Mineral Carbonation of Ultramafic Mine Deposits—A Review. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 147.	0.8	60
18	Structural and chemical changes in mine waste mechanically-activated in various milling environments. <i>Powder Technology</i> , 2017, 308, 13-19.	2.1	43

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19	Ultra-fine grinding and mechanical activation of mine waste rock using a planetary mill for mineral carbonation. <i>International Journal of Mineral Processing</i> , 2017, 158, 18-26.	2.6	43
20	Mechanical activation of ultramafic mine waste rock in dry condition for enhanced mineral carbonation. <i>Minerals Engineering</i> , 2016, 95, 1-4.	1.8	36
21	The accident early warning system for iron and steel enterprises based on combination weighting and Grey Prediction Model GM (1, 1). <i>Safety Science</i> , 2016, 89, 19-27.	2.6	52
22	Carbon dioxide adsorption isotherm study on mine waste for integrated CO <sub>2</sub> capture and sequestration processes. <i>Powder Technology</i> , 2016, 291, 408-413.	2.1	31
23	Characterization of the microstructure of mechanically-activated olivine using X-ray diffraction pattern analysis. <i>Minerals Engineering</i> , 2016, 86, 24-33.	1.8	36
24	Carbon Dioxide Sorption Isotherm Study on Pristine and Acid-Treated Olivine and Its Application in the Vacuum Swing Adsorption Process. <i>Minerals (Basel, Switzerland)</i> , 2015, 5, 259-275.	0.8	28
25	Visualization and simulation model of underground mine fire disaster based on Cellular Automata. <i>Applied Mathematical Modelling</i> , 2015, 39, 4351-4364.	2.2	15
26	Ultra-fine grinding and mechanical activation of mine waste rock using a high-speed stirred mill for mineral carbonation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 1005-1016.	2.4	36
27	Research on multivariate hierarchical analysis and evaluation on rock burst hazard. , 2014, , 467-476.		1
28	Establishment of spatiotemporal dynamic model for water inrush spreading processes in underground mining operations. <i>Safety Science</i> , 2013, 55, 45-52.	2.6	31
29	Overview of the South African mine health and safety standardization and regulation systems. <i>Science in China Series A: Mathematics</i> , 2008, 14, 329-333.	0.2	5
30	A Review on Integrated Mineral Carbonation Process in Ultramafic Mine Deposit. <i>Geo-Resources Environment and Engineering</i> , 0, 2, .	0.0	8