

This study aims to promote the effective utilization of moderately weathered tunnel slag, preserve the ecological integrity of construction sites, and support sustainable development. An ...

Electrified Thermal Solutions, a Boston-based company spun out of MIT, has signed a major manufacturing deal that could revolutionize the way steel and cement plants operate. The ...

For cementing operations in oil and gas wells to maintain the cement sheath integrity, effective fluid loss management is essential. In order to improve fluid loss management in cement ...

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Titan Group, a cement and cementitious materials producer with major North American and European market stakes, is among 10 participants in a \$60 million funding round positioning Rondo Energy to roll out its namesake ...

This paper reviews: (i) electrolysis-based methods to produce cement precursors, and (ii) electrified process heat technologies, along with heat storage approaches. We highlight scaled ...

Scientists discover salt that makes batteries last 10x longer New research shows that sulfate ions reduce the amount of free water to increase the lifespan and performance of aqueous batteries ...

Fabriquer avec des matériaux robustes, ces projecteurs résistent aux intempéries, ce qui les rend parfaits pour une utilisation en extérieur. Les panneaux solaires Brand C sont très performants ...

Abstract Aqueous zinc-ion batteries have emerged as a promising alternative to lithium-ion batteries due to their safety, high theoretical energy density, and environmental friendliness. ...

Cement, in general, adhesive substances of all kinds, but, in a narrower sense, the binding materials used in building and civil engineering construction. Cements of this kind are finely ground powders that, when mixed ...

Taiwan Cement Corporation's lithium battery brand Molicel has begun insurance claim procedures following a fire at its ternary energy facility in Kaohsiung. The incident won't affect TCC's ...

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Charging and discharging tests were conducted on Mn/Zn secondary batteries encapsulated in cement and immersed in an 8 mol/dm⁻³ potassium hydroxide solution, yielding a discharge ...

Lucky Cement, a large producer and exporter of cement in Pakistan, will soon host the country's largest battery energy storage system (BESS), with a 20.7 MW/22.7 MWh facility getting an...

Dangote Cement Plc released its half-year results for the period ended June 30, 2025, reporting a pre-tax profit of N730 billion, representing a 149% year-on-year (YoY) growth and nearly 99.7% of its entire FY 2024 pre-tax profit. The ...

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