Corrosion-resistant solar-powered containers for cement plants

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Cemex and Synhelion will now take further steps toward building a solar-driven industrial-scale pilot cement plant. "I am convinced ...

Cemex and Synhelion are on their way toward achieving a fully solar-powered cement production with the latest scaling of their technology to industrially-viable levels.

Synhelion and Cemex announced today a significant milestone in their joint effort to develop fully solar-driven cement production: the ...

In this work, two corrosion mitigation strategies are investigated to alleviate the hot corrosion of structural materials in molten chloride ...

This study aims to evaluate the corrosion of several different alloys in chloride salts, clarify the corrosion mechanism and influencing factors, and gain a comprehensive ...

CEMEX and Synhelion announced today the successful production of the world"s first solar clinker, the key component of cement, ...

CEMEX and Synhelion announced today the successful production of the world"s first solar clinker, the key component of cement, a significant step towards developing fully ...

In this work, two corrosion mitigation strategies are investigated to alleviate the hot corrosion of structural materials in molten chloride salts: (1) adding corrosion inhibitor and (2)...

The superior corrosion resistance of Haynes230 can be attributed to its higher Ni and W content. These results

are significant for optimizing the usage of novel molten salts and ...

Cemex and Synhelion will now take further steps toward building a solar-driven industrial-scale pilot cement plant. "I am convinced we are getting closer to the technologies ...

In this project, our goal is to demonstrate that castable cements can be used to make flanged pipe sections. This will offer a lower cost alternative to nickel alloys such as Haynes 230, to form a ...

An innovative and efficient solar power plant solution has been developed for cement factories. On an annual basis, solar PV systems in cement plants may save 22,941 tonnes of CO2.

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