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Photovoltaic support sludge treatment method

This review depicts the state-of-the-art solar drying processes of sewage sludge, with a focus on the technological aspects and the sludge quality.

treatment methods for crystalline silicon solar cell production. Firstly, a short description is provided of the main process steps of photovoltaic pro. uction and the types of waste water...

The integrated process of mechanochemical fractionation-assisted and solar-driven electrochemical reforming, followed by biological funnelling, enables the efficient upcycling of sewage sludge.

The present study attempted to investigate the applicability of an electrocoagulation method using aluminum electrodes in the removal of fluoride from post treated photovoltaic wastewater.

This article concerns an effective and inexpensive detoxification of fluorinated sludge, developed by the authors during research into the sludge collected from the scrubber of a PV cell manufacturing plant located in ...

These batch treatment systems use reagent chemicals such as Calcium Chloride and Calcium Hydroxide to precipitate the fluoride ions. Following treatment and settling, the clear water is decanted to an AWN or ...

In recent years, a combination of photovoltaic (PV) and thermoelectric (TE) as a hybrid PV-TE system is developed as a promising technology to address PV energy efficiency ...

This method provides a new strategy for treating fluoride in acidic PV wastewater, with the advantages of reducing the dosage of alkaline agents and mitigating sludge treatment difficulties.

The integrated process of mechanochemical fractionation-assisted ...

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