

Apr 5, 2019 · The Ministry of New and Renewable Energy (MNRE) is considering to make glass recycling procedure mandatory for solar power ...

Oct 6, 2023 · However, the composition of solar glass varies, especially concerning antimony (Sb) content, depending on the production method. ...

Apr 1, 2019 · This paper discusses the development of Roman antimony decolourised natron glass, its dominance, and subsequent decline, using ...

May 5, 2023 · Cubic structured silver antimony sulfide-selenide solid solution thin films for sustainable photodetection and photovoltaic application

May 9, 2025 · The pursuit of advanced materials for radiation shielding and related applications has driven significant research interest in specialized glass compositions. Borate glasses have ...

However, manufacturing this amount of PV requires a critical evaluation of material demands, particularly antimony (Sb), which is widely used in PV glass production. Our study focuses on ...

Sep 29, 2025 · This article explores a new process for extracting valuable antimony from the glass of solar panels, aimed at solving disposal challenges in the 2030s.

Aug 1, 2021 · Technologies for remediation of industrial effluents and natural sources contaminated with antimony - a pollutant of emerging concern - are just emerg...

Download scientific diagram | Display of the fabricated soda-lime glass samples with RHA and an antimony addition. from publication: Production ...

Oct 1, 2018 · Abstract Antimony sulfide (Sb_2S_3) with an optical bandgap (E_g) of 1.88 eV and antimony selenide (Sb_2Se_3) with E_g 1.1 eV, both of orthorhombic crystalline structure, offer ...

Nov 7, 2023 · Addressing uncertain antimony content in solar glass for recycling Endorsements, adoptions of opinions and recommendations in this paper do not necessarily represent the ...

Apr 9, 2019 · In the concept note, the MNRE has recommended that recycling of end-of-life solar panel glass containing Antimony must be made mandatory on the generators as part of their ...

Mar 27, 2018 · 2. Antimony Containing Solar PV Panels Antimony is used in solar panel glass to improve stability of the solar performance of the glass upon exposure to ultraviolet radiation ...

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