

Title: Alternatives to antimony in solar panels

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In this review, we summarize the recent progress on solar cells based on antimony/bismuth (Sb/Bi) chalcogenides, representing Sb/Bi non-perovskite semiconductors containing chalcogenides and ...

An international research team comprising scientists from Chinese module manufacturer Longi has investigated the resistivity distribution of antimony- and phosphorous-doped wafers used in ...

Reduction of the use of primary antimony can be achieved through (a combination of) substitution, improved material efficiency and recycling. Because the potential of material efficiency ...

UTledo graduate student Alisha Adhikari discusses her research into alternative photovoltaic materials that are low cost and non-toxic. Read: U.S. Scientists Build Antimony Sulfide ...

Photovoltaic researchers at UNSW demonstrate best-ever results for emerging solar cell material antimony chalcogenide. UNSW engineers have made a major step forward in the ...

Now, consider this: There can be no "energy transition" without adequate supplies of antimony. That thick, heavy glass used in solar panels? It's ...

While most of the discussion focuses on glass, there's a second antimony-solar story quietly unfolding in laboratories. Antimony ...

In the present review, we discuss various optoelectronic properties of Bi₂S₃ and Sb₂S₃, synthesis techniques, properties of the material, cell fabrication, and stability issues of Bi₂S₃, Sb₂S₃ based ...

The solar glass sector is ready to take back the European manufactured high-quality cullet at the end-of-life stage of PV panels and use it to produce new solar glass for the European solar PV industry.

Perovskite-inspired materials (PIMs) have come to the fore recently because they aim to solve a main issue

with perovskite technology, that of the potential toxicity of lead (Pb), as well as ...

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