

Title: Sichuan University Glass Materials Solar Power Generation

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As a result, solar cells based on glass substrate with efficiency exceeding 20%, Voc of 1.13 V and significantly mitigated hysteresis are fabricated successfully.

When assessing the glass materials employed in solar cell technology, two primary factors must be considered: the production or synthesis method and the fundamental chemical ...

A few days ago, the team of Professor Zhao Dewei from the Institute of Solar Materials and Devices of Sichuan University (hereinafter referred to as the Institute of Solar Energy of Sichuan University) ...

Chinese scientists develop self-healing solar glass that can generate electricity while remaining transparent.

The mostly studied photovoltaic devices include cadmium telluride thin film solar cells, perovskite thin film solar cells and ultra-high efficiency thin film solar cells.

Sichuan University (SCU) has joined Global Urban Development program, and takes part in Sustainability Tracking, Assessment & Rating System, aims at a sustainable campus. So we ...

In recent years, metal halide perovskite solar cells have developed rapidly, with certified power conversion efficiency of over 25% for single-junction solar cells.

This overview explores commonly used materials for solar and wind power, exploring their limitations and continuing research trends for more sustainable and improved materials for these two ...

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