
The team initially set out to optimize a solar cell containing graphene stacked on a high-performance copper indium gallium diselenide (CIGS) semiconductor, which in turn was ...

The graphene-based transparent and conductive films were demonstrated to be cost-effective electrodes working in organic-inorganic hybrid Schottky solar cells. Large area ...

Researchers develop a novel technique using graphene to create solar cells they can mount on surfaces ranging from glass to plastic to paper and tape.

This review examines graphene"s roles as a transparent conductor, photocatalyst, and charge transporter in solar cells, supported by numerical data and comparative analysis. ...

This comprehensive Review critically evaluates the most recent advances in graphene production and its employment in solar cells, focusing on dye-sensitized, organic, ...

The discovery has been made "during the pursuit of something a bit more complex". Initially, the team set out to optimise a solar cell containing graphene stacked on a ...

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Recent advancements in graphene-based solar cells, including bulk heterojunction, Schottky junction, and graphene quantum dots, are discussed in detail, highlighting their ...

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