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Title: Zirconium oxide solar glass

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Herein, we report the structure of a commercially important glass-ceramic ZrO₂-doped lithium aluminosilicate system during its initial nucleation stage.

Environmentally friendly, no oxidation, no discoloration, no rust, easy to clean! What Can We Do. We can provide a variety of high-performance ...

This study investigates the influence of substrate type on the structural, morphological, optical, and photocatalytic properties of zirconium-doped zinc oxide thin layers.

Here, we developed zirconium-doped indium oxide (IZrO), a material with low resistivity and high transmittance sputtered at room temperature.

We report on the synthesis and characterization of an amorphous zirconium oxide (a-ZrO_x) thin film as an anti-reflective coating (ARC) for a silicon solar cell.

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Abstract: Obtained experimental self-cleaning coatings (based on compositions with the participation of Sm₂O₃), applied by the sol-gel method on glass slides. This study attempts to ...

Zirconium oxide is used in some specialist glass formulations to increase the strength and also the refractive index. Lead free crystal glass contains up to 20% zirconium ...

This object is achieved by the glass having a high zirconium oxide content which is described in the main claim. The glass according to the invention comprises from 54 to 72~ by weight of...

These results suggest that ultra-thin IZrO films may be successfully used to reduce costs and the amount of Indium used in Indium-based transparent conductive oxide layers for ...

Zr presented an excellent anti-reflective behavior and the best mechanical performance. These characteristics point towards an improved mechanical resistance ...

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