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ColorQuant(TM) Solar Technology was developed by EMD Electronics and Ceramic Colors Wolbring and exclusively distributed in North America by ...

In this section, we present the manufacturing process of colored glass by pearlescent pigments in a solution process and propose a one-step UV curing to laminate the colored glass on solar cells.

In this paper, we propose a single-layer thin-film color glass manufacturing process for building-integrated photovoltaics (BIPV) with excellent aesthetics and high ...

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The nano pigment synthesized from chloroauric acid was utilized in the fabrication of panels and films, which served as luminescent solar concentrators (LSCs) to enhance the energy ...

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These pigments, composed exclusively of silica microspheres and polyacrylates, enable selective and diffuse reflection of visible light while negligible absorption of solar radiation.

In this study, we propose a solution process for realizing colored glass for building integrated photovoltaic (BIPV) systems by spin ...

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