

Liquid crystal glass and solar glass

What is Liquid Crystal Glass? At its core, Liquid crystal glass is a type of smart glass that uses liquid crystal technology to help you switch between transparency and opacity.

China's transparent coating to turn ordinary windows into solar power generators Researchers in China have created a transparent, colorless, and unidirectional solar concentrator that can be ...

A recent study showed that sunlight shining on semi-transparent silicon thin-film solar cell (Si-TFSC) creates a current changing the color of the photovoltaic electrochromic (PV-EC) device, and ...

With a 99.65% light attenuation rate, a simple process of implementation, a relatively compact form factor, low-power consumption, and solid-state design, liquid crystal glass appears to be a promising ...

LC and SPD Smart Glass are renowned in the architecture industry for their range of useful applications. However, while they are both classified as Active Smart Glass, meaning they require an electrical ...

How does liquid crystal glazing work? Our solar shading glass contains a transparent liquid crystal mixture with specific dye molecules. This mixture is placed between two glass sheets coated with a ...

Scientists at Nanjing University have developed a transparent, colorless solar coating that can be directly applied to glass. This converts everyday windows into clean energy sources without ...

This research introduces a novel approach to smart window technology by incorporating a luminescent solar concentrator (LSC) that incorporates thin photovoltaic cells at the window's edges, ...

Earth-abundant materials. Liquid coating. Ideal for high speed production. Under one year, Industry's fastest calculated financial return for tall towers. Works in natural, shaded low-light, and indoor light.



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