
Here, the study proposes nano-textured, transparent, electrically conductive glass surfaces to significantly enhance electrostatic dust removal for particles smaller than ?30 µm.

Learn about the mind-blowing automatically cleaning glass technology that could revolutionize the solar industry.

New Scientist reporter Chen Ly writes that MIT researchers have developed a new technique that uses static electricity to remove the dust from solar panels, which could save ...

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Their "electrically driven self-cleaning glass" instantly removes 98% of dust from its surface with just a single application of electricity, without the need for water or detergent. Crucially, the ...

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Here, we present a waterless approach for dust removal from solar panels using electrostatic induction. We find that dust particles, despite primarily consisting of insulating ...

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These devices use semitransparent fluorescent glass that absorbs part of the sunlight, emits light, and directs it to solar cells placed on the edges for power generation.

Together, they created a groundbreaking electrodynamic screen (EDS) technology that uses static electricity to clean dust from solar panels. The system clears over 90% of dust ...

To eliminate static electricity from solar energy, it is essential to focus on several critical strategies. 1. Utilizing proper grounding techniques, 2. Incorporating anti-static ...

Luckily, scientists have devised an H2O-free way to clean a grimy solar panel. In a study published in the journal Science Advances on Friday, researchers at MIT created a system ...

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