

Chinese scientists develop self-healing solar glass that can generate electricity while remaining transparent.

Scientists have created a transparent solar coating that turns ordinary windows into clean energy generators without affecting clarity. Using cholesteric liquid crystal layers, the coating...

Two research groups report that they've created perovskite-tinted windows that not only transition based on the temperature, but also harvest power like solar cells. The new technology ...

The revolutionary discovery was made by physicists at the Swiss Federal Institute of Technology Lausanne (EPFL) in collaboration with scientists from Tokyo Tech.

One such breakthrough was recently announced out of a collaboration between a company called SolarCycle and Arizona State University. Together, they were able to successfully ...

Scientists in China have invented a new type of coating that can turn standard windows into solar panels. The discovery could supercharge the global clean energy transition, according to ...

Transparent solar panels, developed at MSU, make this futuristic concept a reality. These solar panels, disguised as glass windows, absorb ultraviolet and infrared light--invisible to the ...

Researchers effectively converted tellurite glass, pictured here as part of a chip, into a light-energy harvester by using femtosecond laser light. Solar cells and glass are often both made ...

Scientists have developed a brand new, clear coating that can be applied to any standard window to turn it into an effective solar panel - while still keeping the window largely ...

This process led to the unexpected discovery of nanoscale tellurium and tellurium oxide crystals, both semiconducting materials, forming where the glass was exposed to the laser.

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