

Editorial Note on Invisible Solar Panels

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EDITORIAL

In a new learn about in Journal of Power Sources, an worldwide group of researchers, led by using Prof. Joondong Kim from Korea, show the first obvious photo voltaic cell. Their revolutionary method rests on a precise phase of the photo voltaic cell: the heterojunction, made up of skinny motion pictures of substances accountable for absorbing light. By combining the special houses of titanium dioxide and nickel oxide semiconductors, the researchers had been in a position to generate an efficient, obvious photo voltaic cell.

Five years after the Paris local weather agreement, all eyes are on the world's development on the street to a carbon-free future. A integral phase of this aim entails the power transition from fossil fuels to renewable sources, such as sun, water, wind and wave energy. Among those, photo voltaic electricity has usually held the easiest hope in the scientific community, as the most dependable and ample electricity supply on Earth. In current decades, photo voltaic cells have end up cheaper, extra efficient, and environmentally friendly. However, modern-day photo voltaic cells have a tendency to be opaque, which prevents their wider use and integration into daily materials, restricted to being lined up on roofs and in far flung photo voltaic farms.

But what if next-generation photo voltaic panels ought to be built-in to windows, buildings, or even cell cellphone screens? That is the hope of Professor Joondong Kim from the Department of Electrical Engineering at Incheon National University, Korea. In a latest learn about posted in Journal of Power Sources, he and his colleagues element their cutting-edge invention: a completely obvious photo voltaic cell. "The special aspects of obvious photovoltaic cells may want to have a number of functions in human technology," says Prof. Kim.

The concept of obvious photo voltaic cells is nicely known, however this novel utility the place scientists have been in

