

Do solar photovoltaic poverty alleviation projects work in China?

Solar photovoltaic poverty alleviation projects (PPAPs) have flourished with great achievements in China since 2013. However, the degree to which these...

Can solar photovoltaic projects help alleviate poverty in rural areas?

Nature Communications 11, Article number: 1969 (2020) Cite this article Since 2013, China has implemented a large-scale initiative to systematically deploy solar photovoltaic (PV) projects to alleviate poverty in rural areas.

Why is China promoting photovoltaic system in rural areas?

Based on the above reasons, the Chinese government plans to vigorously promote the construction of photovoltaic system in rural areas, which has been included in the 14 th Five-Year Plan of renewable energy development. In the foreseeable future, rural photovoltaic system in China will achieve rapid and sustainable growth. Figure 4.

Do Rural solar PV projects impact households' livelihood?

In the view of the whole life cycle of sustainable livelihoods, this paper probes into the internal logic by which rural solar PV projects impact households' livelihood and reveals the heterogeneity in the poverty reduction path of PPAPs for the families with different characteristics and different cognitive dimensions.

Does community management influence household adoption of rooftop solar photovoltaics in rural China?

This paper examines inequality in household adoption of rooftop solar photovoltaics in rural China through a qualitative study of three villages. The Chinese government promotes distributed solar to drive low-carbon development. However, community management and China's institutional system influence unequal access.

How can China promote distributed PV?

To promote distributed PV, China's National Energy Administration launched a "county-level promotion" strategy in 2021. This strategy sets a target for at least 20% of rural households in 676 pilot counties and districts to adopt rooftop solar panels. The concept of "energy justice" originates from John Rawls' theory of justice.

Jing Shuai, Chuanmin Shuai, Xin Cheng, ... Therefore, an empirical study on the awareness of residents for solar photovoltaic power generation is of great significance. Based ...

The extraction of photovoltaic (PV) panels from remote sensing images is of great significance for estimating the power generation of solar photovoltaic systems and informing government ...

The following contributions are stated in this paper: In view of the problem that the extensive power of DPVG stations cannot be locally or nearby consumed in the rural ...

Semantic Scholar extracted view of "Whether rural rooftop photovoltaics can effectively fight the power consumption conflicts at the regional scale - A case study of ...

Since 2014, the PPAP has been regarded as one of the most important ways to alleviate poverty in rural China, by deploying distributed solar photovoltaic (PV) system in poor ...

The provision of electric power through solar energy has multiple benefits for the livelihoods of rural households, such as improving indoor air quality and health, allowing ...

Sci., Macquarie Uni.? - ??Cited by 889?? - ?Sustainable Rural Development? - ?Ecological Poverty Alleviation? - ?Environmental Modelling? - ?Poverty? ... How should government and users share ...

Owing to the significant reduction in battery costs [4], photovoltaic (PV) power generation is becoming the most important way to use solar energy, especially on the rooftops ...

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