

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.

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...

Is solar PV a viable option in China?

Therefore, there is still no consensus on the feasibility and effectiveness of solar PV technology. Despite the fact that China's PPAPs sustain a great momentum of development, related researches are still in the stage of attempted exploration.

What are the benefits of solar PV power generation?

The use of solar PV power generation can reduce carbon emissions, environmental pollution and global warming. The use of solar PV power generation can control household energy expenditure and manage energy usage. Degree of Participation in the process of the decision-making, construction, operation and maintenance of PPAPs.

Do solar PV projects influence LO and BI?

The path distribution of different family characteristics. According to the cognitive score of solar PV power generation, we divide research samples into two groups: 1) a cognitive score ≤ 2.5 ; 2) a cognitive score > 2.5 . The test results show that PV projects have a significant influence on LO and BI of group 1, but not on LC.

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.

where P_{PV} and P_r are the actual and the rated power output, respectively; R_T is the irradiation on the device surface; R_{STC} represents the solar radiation intensity under the ...

For the generation of electricity in far flung area at reasonable price, sizing of the power supply system plays an important role. Photovoltaic systems and some other renewable ...

Nevertheless, compared with conventional power generation, the initial cost of a solar PV project remains relatively high. Therefore, to mobilize the incentives of the general public, there is an ...

This paper investigates local residents' expectations of the Chinese government subsidies on solar photovoltaic (PV) power generation. Residents' demographics including age, educational attainment, income level, ...

DOI: 10.1016/j.enconman.2023.116912 Corpus ID: 257621810; The spatial distribution of China's solar energy resources and the optimum tilt angle and power generation potential of PV systems

Jing Shuai; Chien-fei Chen; Jinhua Cheng [...] Zihan Wang; ... Therefore, an empirical study on the awareness of residents for solar photovoltaic power generation is of great significance. ...

Solar photovoltaic power is a new form of new energy. It is the energy conversion model that change solar energy into light energy. This article is that energy conversion model of solar ...

Research on the design of solar photovoltaic power generation system in Beijing South railway station. Building Electricity, 27 (11) (Nov, 2008), pp. 8-17. Google Scholar [12] ...

The contribution of power production by photovoltaic (PV) systems to the electricity supply is constantly increasing. An efficient use of the fluctuating solar power production will highly benefit ...

Semantic Scholar extracted view of "How should government and users share the investment costs and benefits of a solar PV power generation project in China?" by Jing Shuai ...

This article briefly analyzes the technical advantages of the wind-solar hybrid power generation system, builds models of wind power generation systems, photovoltaic systems, and storage ...



Jing Family Solar Photovoltaic Power Generation

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