

Do ethnic castes influence the adoption of solar PV?

Lin and Kaewkhunok examined the effect of the ethnic caste system on intention to adopt solar PV and found that households from higher castes are more likely to adopt solar PV than those from lower castes.

Do community-level support and household resources affect photovoltaic adoption?

We find that structural opportunities provided by communities and households' own resource endowments have an additive effect on adoption. This highlights the need to consider both community-level support and household resources when evaluating photovoltaic adoption and energy justice.

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 local authorities play a role in household rooftop photovoltaic adoption?

The research revealed salient geographic disparities in household rooftop photovoltaic adoption, closely associated with the role of local authorities (particularly village committees) in new energy promotion schemes.

What is photovoltaic (PV) technology and how does it work? PV materials and devices convert sunlight into electrical energy. A single PV device is known as a cell. An individual PV cell is usually small, typically producing about 1 or 2 ...

In particular, energy affordability and access to supporting technologies, such as energy efficiency retrofits or rooftop solar photovoltaics (PV), are distributed unevenly across ...

Distributed solar PV contributes one third to total solar power generation in China, but household solar PV (HSPV) currently accounts for only 22% in the distributed solar ...

Historically, the export rate has been low relative to the typical retail price of residential electricity (the "import rate"). Because of this, in theory, households with PV benefit ...

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 ...

In recent years, research on the intention to adopt solar photovoltaic technology has yielded rich results. However, controversy still exists regarding the key antecedents of ...

solar power to the grid (which should be excess generation as a function of the household's consumption and solar generation) is strictly a function of solar generation only (and the static ...

As a goal of residential solar PV penetration is to increase the amount of solar-derived energy, expanding the capacity contributes greatly to achieving this goal. Suppose, for ...

In order to mitigate the impacts of this prolonged load shedding, people have started using power generators, uninterrupted power supplies and solar photovoltaics (PV) for generating electricity ...

None of the leading Net ZEB examples exist without generation of PV electricity. Trends give an outlook of current and possible future combinations of technologies and passive measures for ...

REN21 affirms that the use of renewable sources in power generation has grown in recent years. ... Considering the objective of the paper i.e. to study the factors influencing ...

The demand for the provision of energy is increasing rapidly and the trend is likely to continue in future worldwide [1] 2005, the worldwide electricity generation was 17450 TW ...

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