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Title: Household solar power generation in Northeast China

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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 mature is rooftop photovoltaic power generation in China?

The technology of rooftop photovoltaic power generation in China is relatively mature, however, whole-county rooftop DPVG projects have not yet formed mature business patterns.

Does China have a residential PV development potential?

Data from the sixth census indicates that China has a theoretical residential PV development potential of 1000 GWp (Wang et al., 2022). With the expansion of installed PV capacity, it is increasingly important to establish a mechanism to realize the environmental value of new energy sources.

Does China's social system influence household solar adoption?

China's social system influences household solar adoption, intertwining inequality and injustice with lower-level government bureaucracy behaviors. The background of Chinese households adopting solar energy is unique and rarely discussed in previous studies.

China's installed capacity of distributed photovoltaic power generated by households has reached about 105 million kilowatts by the end of September, covering more than five million ...

Solar power generation in rural Northeast China What is rural energy in China? In China, rural energy mainly includes non-renewable energy such as coal, crude oil, natural gas, oil ...

o The PPAP in China has significantly prompted the clean energy transition for rural households. o PPAP promoted household clean energy transition mainly through raising household ...

Solar energy, as a high-quality, renewable, and clean energy source, urgently needs further development for efficient utilization in buildings. Meanwhile, residential areas in the ...

# Household solar power generation in Northeast China

The National Energy Administration said the installed capacity of household distributed solar PV power generation reached about 105 gigawatts by the end of September. That's over four ...

To support future solar energy deployment in China, long-term changes in solar energy resources over China were investigated based on high-resolution dynamical downscaling simulations under three ...

To discuss the impact of uncertain factors on the economic efficiency of whole-county PV power projects, the green power trading price, self-consumption tariff, proportion of household PV, ...

In recent years, China's northeast region has been accelerating the layout of the clean energy industry based on the resource advantages, speeding up the development of clean energy ...

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 ...

Solar power generation for households in Northeast China What is the capacity of solar energy in China? Currently, the capacity of PV in China is growing rapidly. By the end of 2020, the cumulative ...

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