

# Hui Lao Hu talks about photovoltaic panels

Do solar photovoltaic panels promote vegetation recovery?

Liu Y,Zhang R,Huang Z,Cheng Z,Lopez-Vicente M,Ma X,et al. Solar photovoltaic panels significantly promote vegetation recovery by modifying the soil surface microhabitats in an arid sandy ecosystem. *Land Degrad Dev.* 2019;30:2177-86. Lovich JE,Ennen JR. *Wildlife Conservation and Solar Energy Development in the Desert Southwest.*

How efficient are PV panels & arrays?

In reality,the PV panels and arrays efficiencies are lower than those in real applications. Among other promising but still developing technologies is the perovskites cell,with a laboratory-scale efficiency of 23.3%. The real cost of PV systems are challenging to estimate.

Do photovoltaic installations affect biodiversity?

However,the currently available evidence regarding the effects of photovoltaic installations on biodiversity is still scarce. More research is urgently needed on non-flying mammals and bats as well as amphibians and reptiles. Solar thermal panels and floating PV installations should also be further investigated.

Can translucent PV panels be used in agricultural greenhouses?

A review of the existing literature reveals a common application of translucent PV panels in agricultural greenhouses,but there is a distinct lack of research concerning the incorporation of greenery with coloured PV panels.

Is China developing a rooftop solar system?

Fishman,an energy analyst at the Lantau Group,an economic consultancy firm in Shanghai,was keen to meet with developers in Shandong to understand how China is developing extensive rooftop solar installations at such a remarkable pace.

Why is China moving from centralized solar farms to small Solar projects?

In recent years,China has shifted its focus from centralized solar farms to smaller-scale distributed solar projects,as photovoltaic research continues to improve the technology and lower its costs.



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