

Who is an Fengwei?

Dr. AN Fengwei joined the Southern University of Science and Technology in 2019 as an associate professor.
Dr.

How to measure TCPI of China's fossil fuel power plants?

First,we propose the MHDEA model,a non-parametric methodology,to measure the TCPI of China's fossil fuel power plants. This model allows for the incorporation of information from meta-frontier technology,undesirable outputs and hybrid DEA,addressing the weaknesses of technology homogeneity and conventional DEA models.

How many fossil fuel power plants are in China?

After removing incomplete information,we collected data on China's large fossil fuel power plants with installed capacity exceeding 890 MW,which included 91 power plantswith 67.03% belonging to state-owned companies (central group) and the rest to local companies (local group). The distribution of power plants by province is shown in Fig. 5.

How can TCPI be improved in power plants?

Incentives should be introduced for power plants with high TCPI to encourage cleaner production techniques. We also suggest introducing modern power generating technologies,such as the flue gas desulfurization technology and pressure swing adsorption decarbonization technology,to power plants with low TCPI.

What is the policy of developing large fossil fuel power plants & suppressing small plants?

The policy of " developing large fossil fuel power plants and suppressing smaller plants " is an important mandate with respect to reducing fossil energy consumptionduring the 11th and 12th FYP periods. Since the issuance of the document,many small power plants have been forced to shut down,while benefiting large power plants (Li et al.,2019).

How many large fossil fuel power plants are in central and local groups?

Means and growth rates for variables between the central and local groups. Notes: The central and local groups respectively include 61 and 30large fossil fuel power plants. In Table 3,although the quantity of inputs and outputs for the two groups is similar,the growth rates greatly vary.

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We discuss measures for the mitigation of GHG emissions from power transmission development that can inform global low-carbon infrastructure transitions. AB - China has built the world's ...

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