

To reduce the energy consumption of data centers and promote smart, sustainable, and low-carbon city development, this study analyzes the energy conservation ...

The report of the 20th National Congress points out that the focus is on controlling fossil energy consumption and promoting the formation of a green and low-carbon ...

In transport and logistics sectors, saving energy and reducing emissions mean promoting the construction of green railways, highways, ports, sea routes and airports, as well ...

This study explores sustainable development and achieving net-zero emissions by assessing the impact of solar energy adoption on carbon emissions in 40 high and upper ...

The Industrial Energy Transformation Fund will also offer support for businesses to switch to more energy efficient technologies through a new phase opening on Monday 29 ...

Climate change profoundly impacts Earth's environment and human society (Weiskopf et al., 2020).The rapid progression of urbanization has exacerbated these ...

Executive Summary Project Motivation Electricity generated from renewable resources, especially sun and wind, are attractive since they are non-polluting, particularly on an air emissions basis. However, the amount of pollutant ...

Abstract: The transportation industry is considered the foundation and bridge of national economic development, enabling the growth of the social economy. However, it also consumes a ...

It was found that the solar a/c system has more benefits on emissions and BSFC reduction than conventional a/c system, resulting in enhanced the engine performance and ...

Based on energy savings, carbon emission reduction, investment cost and payback period, all renovation cases are comprehensively analyzed by the entropy weight ...

The construction sector accounts for 36% of global energy consumption and 39% of global carbon dioxide emissions. Sustainable development, which entails reducing and ...

Thanks to skyrocketing energy prices and federal incentives, solar energy is positioned for rapid growth in coming years. In fact, the US has over 72 gigawatts (GW) of high ...

Nevertheless, the cumulative CO₂ emission reduction under the EL scenario is approximately 8-19 Mt more than those under the RL scenario for the same lifespans of RPV ...

Carbon emissions contribute to global warming, which is a significant issue affecting human survival and sustainable development. Green technology innovation, a critical ...

An experimental solar space heating and cooling facility is designed and tested. The design is based on a new type of flat plate vacuum solar collectors. The facility is used to ...

In this study, a novel energy-saving and emission-reduction strategy was developed based on facile preparation of thermal insulation coatings doped with modified ...

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