

This study explores the complex interaction between the Internet of Things (IoT) and the new energy sector and analyzes how their integration can catalyze a transition toward a ...

Transitioning to a decarbonised energy system by around 2050 is expected to save the world at least \$12 trillion, compared to continuing our current levels of fossil fuel use, according to a peer-reviewed study by Oxford ...

By integrating the issue of carbon flow in trade with the life cycle carbon footprint analysis of lithium battery, this study provides new insights for reducing carbon emissions in ...

The Low Carbon and Renewable Energy Economy (LCREE) Survey is the primary source of official information on LCREE activity in the UK. The survey was designed and developed in consultation with stakeholders from ...

The concept of "low-carbon" denotes the mitigation of carbon dioxide emissions, originating in the UK government's 2003 Energy White Paper, where it delineated a "low-carbon economy"--an ...

China will work toward an economic system that prioritizes green, low-carbon and circular growth, and will promote the across-the-board green transformation of its social and economic development in a bid to deliver on its ...

Carbon pricing is often paired with compensation to carbon-intensive firms to mitigate the risk of carbon leakage. This paper empirically examines the effects of indirect carbon cost ...

The Virginia Clean Economy Act (VCEA), with its demand to eliminate hydrocarbon fuels for electricity in Virginia, will soon take a deeper bite out of bank accounts for many Virginia families and businesses. As of ...

Specifically, the carbon intensity of electricity fell to just 124gCO₂/kWh in 2024. This is 70% lower than it was in 2014 when each unit of electricity was associated with 419gCO₂/kWh. Carbon intensity of UK ...

Prefabricated construction is a key strategy for achieving a low-carbon transformation in the construction sector. In the context of national policies and standards aimed at promoting an ...

China's carbon neutrality goal by 2060 presents major challenges and opportunities for its electricity market. This study analyzes baseline, low-efficiency, and high-efficiency ...

Where Victoria's emissions come from More than 90% of Victoria's net greenhouse gas emissions * comes



17 kWh low-carbon economy

from burning fossil fuels to make energy. This energy is used for electricity, transport and fuel combustion. Electricity is ...

The figure shows Australian gross domestic product, energy consumption, energy intensity and energy productivity as an index from 1982-83 to 2022-23. As economic growth in Australia over recent decades has ...

Its goals are to encourage the whole of society to participate in emissions reduction activities, ensure that the transaction entities fulfill their social responsibilities, pursue a low-carbon development path, and promote a low ...



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