

The purpose of this study was to investigate the relative importance of determinants that should be considered first in order for container terminals to realize carbon neutrality and become an ...

Discover the 2025 roadmap for carbon-neutral container manufacturing, featuring sustainable strategies, eco-friendly materials, and green production techniques to reduce emissions.

The high photoelectric conversion efficiency (PCE) of solar cells and their environmentally friendly, low-carbon manufacturing processes are crucial for advancing carbon ...

The global shipping industry is under increasing pressure to reduce its environmental footprint, and carbon-neutral container manufacturing has emerged as a key solution. These practices aim to ...

Herein, the contribution of carbon materials, including graphitic carbon nitride, is reviewed by classifying solar energy utilization into two categories: direct utilization and conversion ...

This special issue will collect original papers and reviews to present the state-of-art research on the following topics: o Life cycle greenhouse gas (GHG) analyses for PV technologies- ...

Finally, the current applications of transforming plastic waste into fuels, chemicals, and carbon materials and the outlook on upcycling plastic waste by photocatalysis are presented, facilitating the realization ...

Herein, to demonstrate the key role and future prospects of advanced materials in the sustainable development of clean energy, we have organized a special topic on "Key Materials for Carbon ...

This review offers a detailed examination of the latest advancements in carbon nanotube technology and its applications, including its use as transparent conductive electrodes, ...

To achieve the national goals of carbon peaking and carbon neutrality, the development of a new integrated transportation energy system, particularly one based on the energy ...

Finally, the current applications of transforming plastic waste into fuels, chemicals, and carbon materials and the outlook on upcycling plastic waste by photocatalysis are presented, ...

With climate change and the urbanised population increasing, people choose to use Container Farms (CFs) to secure a stable supply of vegetables in the city, while maintaining the man ...

Solar container materials in carbon neutrality

carbonize industries while producing sustainable feedstocks (e.g., methane, methanol, formic acid). While this research currently remains at the conceptual development stage for integrated carbon ...

Neutrality of what? The USSR and Permanent Neutrality in the Cold War Neutrality Role of Building and Urban System Towards Carbon Neutrality - The Latest Situation of Carbon ...

This research not only offers a novel, cost-effective approach for the sustainable production of PSCs but also contributes tangible solutions for the green transformation of the ...

ABSTRACT Photosynthetic energy conversion for high-energy chemicals generation is one of the most viable solutions in the quest for sustainable energy towards carbon neutrality. Microalgae are ...

Solar-powered integrated CO₂ capture and conversion-A potential paradigm shift for carbon neutrality. The Innovation Materials 3:100134. [https://doi /10.59717/j.xinn-mater.2025.100134](https://doi/10.59717/j.xinn-mater.2025.100134)

Carbon Neutrality????????????????????,?????? Carbon Neutrality?????(Article Processing Charge)??,????????????????? ...



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