

Improving the energy efficiency of the EU food cold chain The refrigeration of food during transport, processing and storage makes energy consumption in the supply chain high. ...

According to the temperature requirements of pharmaceutical cold chain logistics, the aim is to develop phase change materials with a phase transition...

I would like to declare on behalf of my co-authors that the work included in the manuscript entitled "Cooling performance of a cold thermal energy storage-based portable box ...

This chapter summarizes the recent progress in phase change material (PCM)-based technology for cold chain applications. It covers materials, devices, and applications through integration. ...

Extend Renewable Energy Incentives, provide tax credits for cold chain businesses investing in renewable energy, and establish a funding mechanism for energy-efficient technologies and ...

The cold chain is an essential system of temperature-controlled logistics that ensures the quality and safety of perishable goods. Refrigeration technologies in the chain, ...

An energy-saving cold storage can be realized by cutting back on the amount of power used by the equipment. Power consumption can be suppressed through facility design, control of rate ...

Alternative cold chain equipment is required that can ensure safe storage and delivery of vaccines in areas that are geographically isolated or sparsely populated, are subject ...

For the short-distance transportation of cold storage, especially the last mile transportation of product cold chain logistics, the combination of cold storage agent and cold ...

The combination of phase change cold storage technology and cold chain logistics equipment can effectively reduce energy consumption while ensuring that fresh products are transported from ...

The problems of the cold chain from fishing to selling of aquatic products and the solutions of applying phase change cold energy storage materials were summarized. Finally, ...

The research results provide new insights into the energy-efficient use of cold chain transportation equipment and are relevant for facilities such as granaries and cold storage facilities with ...

Cold chain logistics refers to the systematic engineering that processes the initial processing, storage,

transportation, distribution, and sales of refrigerated products in a suitable ...

Cold chain logistics has become an indispensable link in the current national economic support. To ensure the sustainable development of energy and improve energy ...

A comprehensive review on sub-zero temperature cold thermal energy storage materials, technologies, and applications: State of the art and recent developments

Guangzhou Cesin Cold Chain Technology Co., is a supplier of cold chain temperature control packaging and temperature monitoring system solutions. Located in China, it focuses on offering ...

With the rapid development of the cold chain logistics industry, its high energy consumption and low operational efficiency have become increasingly prominent, seriously ...

The Hillphoenix dedicated industrial refrigeration team helps cold storage companies ensure the integrity of the cold supply chain with innovative traditional and sustainable refrigeration ...

At the same time, a systematic review of several main packaging forms (cold storage plates, cold storage microcapsules, cold storage bags and cold storage balls, etc.) of ...

This paper reviews the application and research of cold storage technology in cold chain transportation and distribution and points out the research prospects of ...

For businesses aiming to thrive in the temperature-controlled supply chain, investing in a quality cold warehouse - and the right team to build it - is a decision that will pay ...

Results of the energy flow mapping also allow companies in the cold chains and cold logistic operators to prioritize these energy efficiency measures (i.e., starting from the ...

In this study, the life cycle assessment method is adopted to evaluate the energy consumption of an industrial cold food storage facility, which includes a combination of five ...

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