

Biofuels are central to transport decarbonization, but meeting net-zero targets requires a dramatic scale-up of production. Catalysis is key to unlocking this potential, enabling innovative routes ...

Growth in Transportation Sector Will Augment Market Growth Biofuels are majorly used as substitutes of petroleum-based fuels for transport, and they are considered as a part of important strategies to improve fuel ...

Unlike other renewable energy sources, biomass can be converted directly into liquid fuels--biofuels. The two primary categories of biofuels currently available are: First Generation, produced from food raw materials like B100, ...

The logistics industry is at a pivotal juncture, facing the urgent need to reduce its carbon footprint and embrace sustainable practices. Sandra Villeminot, Program Head, Ground & Rail, and Andrey Anufriev, Program ...

Biofuels offer a solution to climate change that shouldn't go ignored. In fact, the amount of biofuel used in low-carbon transport has led to increase by a factor of seven in order ...

Biofuels are a type of renewable energy derived from recently living or biological materials, such as plants, microbes, or animal waste. Unlike fossil fuels, which form over millions of years, ...

The utilization of solenoid valves in biofuel production presents several significant challenges that require innovative solutions. One of the primary issues is the corrosive nature of biofuels, ...

This growth is primarily attributed to the rising adoption of algal biofuels in the transportation sector, particularly in aviation and marine applications. North America currently dominates the ...

[Summary: This page introduces a study on biofuels and sustainable transport, emphasizing the need for thorough assessment at multiple levels. It highlights the importance of comparing ...

The predictive model developed in this study offers valuable insights into the cost dynamics of biomass transportation. By facilitating precise predictions of transportation costs, stakeholders ...

These fuels are primarily used for transportation, but also find applications in heating and electricity generation. To be truly "sustainable," biofuel production and use must meet specific ...

Growing momentum HVO had its breakthrough year in 2024, with many businesses across the road transport industry switching to renewable diesel in order to cut emissions in the short- and medium-term. With the price disparity ...





# Biofuels in transportation

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