

The safety requirements of GTR13 for hydrogen fuel cell vehicles aim to minimize the risk of fire, explosion, or leakage from fuel cell systems in vehicle fuel and hydrogen storage system, so as to ...

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Hydrogen is highly efficient in fuel cell vehicles (FCVs), providing two to three times more energy per unit than gasoline [4, 8]. Countries are transitioning from fossil fuels to renewable ...

This study explores the potential of hydrogen in transportation systems, analyzing recent developments and trends in hydrogen fuel cell vehicles (HFCVs). The study focuses on the ...

The study presents a comprehensive model for the production, storage, and utilization of green hydrogen, by addressing the inadequacies and higher costs related to conventional methods.

A hybrid electric propulsion system with a power switching technique is tested in flights of long endurance unmanned aerial vehicle, interchanging power supply between fuel and solar cell ...

This Perspective highlights the potential of hydrogen fuel-cell vehicles as a viable alternative for heavy-duty road transportation. We evaluate the implications of hydrogen integration ...

This paper presents the results of a demonstration project, including building-integrated photovoltaic (BIPV) solar panels, a residential building and a hydrogen fuel cell electric vehicle ...

In the transportation industry, the fuel cell car is one of the options suggested by vehicle manufacturers and research groups to address energy autonomy issues that plagued battery-electric ...



# Hydrogen fuel and solar container electric vehicles



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