

This paper compares different types of hydrogen storage tanks for vehicles and their failure mechanisms. It also analyses the advantages and disadvantages of various manufacturing ...

Hydrogen can be stored in a variety of physical and chemical methods. Each storage technique has its own advantages and disadvantages. It is the subject of this study to review the ...

High-pressure hydrogen gas, as a power generation fuel widely used in transportation, has significantly contributed to the development of hydrogen fuel cell electric vehicles. However, ...

Classification of hydrogen storage methods (Fig. 2), use of nanomaterials for hydrogen storage, and development of new storage tank designs. The classification of hydrogen storage ...

This comprehensive review paper provides a thorough overview of various hydrogen storage technologies available today along with the benefits and drawbacks of each technology in ...

Liquid hydrogen (LH<sub>2</sub>) storage holds considerable prominence due to its advantageous attributes in terms of hydrogen storage density and energy density. This study aims to ...

The review summarizes industrial establishments working in the field of liquid organic hydrogen carriers for H<sub>2</sub> storage and transportation. It also covers a brief review on other adsorption ...

**ABSTRACT** How to store hydrogen efficiently, economically and safely is one of the challenges to be overcome to make hydrogen an economic source of energy. This paper presents an overview of ...

Research on horizontal tanks is crucial for safe and efficient storage. Understanding these dynamics is essential for predicting temperature and pressure changes during self ...

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