

Hydrogen is a clean fuel that, when consumed in a fuel cell, produces only water. Hydrogen can be produced from a variety of domestic resources, such as natural gas, nuclear power, biomass, and ...

Discover hydrogen as a fuel source, its energy density, how it compares to batteries, and its advantages and disadvantages for aviation.

Hydrogen fuel is an abundant, energy-dense fuel source that can be reacted to create electricity, while producing zero carbon or other greenhouse gas emissions.

Hydrogen, with its high energy density and compatibility with renewable energy systems, presents a promising clean energy solution to mitigate GHGs emissions. Yet, its widespread ...

Hydrogen energy refers to the use of hydrogen as a clean and versatile energy carrier which is capable of storing, moving and delivering energy produced from diverse sources such as water, fossil fuels or ...

In this McKinsey Explainer, we look at what hydrogen energy is and explore some of the current challenges that are preventing wide-scale adoption.

The interest in hydrogen as an alternative transportation fuel stems from its ability to power fuel cell vehicles, its potential for domestic production, and the fuel cell electric vehicle's fast filling time and ...

New catalyst solves decades-old stability issue to unlock 85% hydrogen fuel efficiency Replacing platinum is essential for hydrogen to go mainstream in manufacturing and transport.

Hydrogen is used in industrial processes, as a rocket fuel, and in fuel cells for electricity generation and powering vehicles. Operators of several natural gas-fired power plants are exploring ...

Researchers have found that manganese, an abundant and inexpensive metal, can be used to efficiently convert carbon dioxide into formate, a potential hydrogen source for fuel cells. The ...

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