

This research aims to investigate the impact of doping in MXenes by substituting functional groups, including various elements/species into the MXene matrix, and altering the ...

The global transition to sustainable energy systems is accelerating, driven by the urgent need to mitigate climate change and achieve long-term energy security. Central to this effort is the ...

Hydrogen energy plays a crucial role in driving energy transformation within the framework of the dual-carbon target. Nevertheless, the production cost of hydrogen through electrolysis of water ...

Hydrogen has been recognized as a promising alternative energy carrier due to its high energy density, low emissions, and potential to decarbonize various sectors. This ...

Issues related to the use of hydrogen as an energy vector are discussed, including its generation and storage and distribution. A brief treatment of electrolysis cells for ...

