

The main research findings show that compared with the single battery system, the total energy recovered by the battery-flywheel compound energy storage system increases ...

Simulation results indicate that flywheel energy storage system is quite suitable for hybrid electric vehicle and with fuzzy logic control strategy both the performance of ICE and ISG are ...

The Ragone diagram shows that flywheel energy storage (FES) has many merits such as higher power density, higher efficiency, fast response, environmental-friendly performance and long ...

Abstract Braking energy recovery (BER) notably extends the range of electric vehicles (EVs), yet the high power it generates can diminish battery life. This paper proposes ...

A flywheel battery, composed from commercially available low-cost materials, can be designed as an additional energy storage system for further increasing the energy efficiency of vehicles, ...

For different types of electric vehicles, improving the efficiency of on-board energy utilization to extend the range of vehicle is essential. Aiming at the efficiency reduction ...



# Flywheel energy storage hybrid vehicle

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