

Title: Energy storage power station load bearing

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The application of porous carbon nanofibers as structural energy storage material is presented. Porous CNFs show promising energy storage capacity (191.3 F g⁻¹ and 91% capacity ...

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This paper describes the design of a low-cost, low-loss bearing system for a 5 kWh/100 kW FESS based on analytical, numerical and experimental methods.

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Bidirectional thrust bearing is one of the important components of the hydroelectric power generation system of the pumped storage (PS) power station, and frequ

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In this article, an analytical solution, considering the plastic deformation of surrounding rock and concrete lining, is derived. The load-sharing principal is revealed based on the analytical ...

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