



smart structures in delivering dynamic multifunction. More importantly, the shape transformation mechanism ...

Multifunctional carbon fibre reinforced polymer (CFRP) composite structures with embedded batteries can simultaneously carry mechanical loads and store and supply electrical ...

The samples in this study combine high mechanical properties and superb energy storage capabilities with the highest values of energy and power densities reported so ...

The Layered Composite Roof Structure (LCRS) is a common bearing structure consisting of multiple layers of rock above a coal seam, and the energy stored in this structure ...

The various structures employed--mechanical, chemical, thermal, and electrical--each present unique attributes enabling the effective capture, storage, and delivery of energy. As the global landscape evolves ...

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