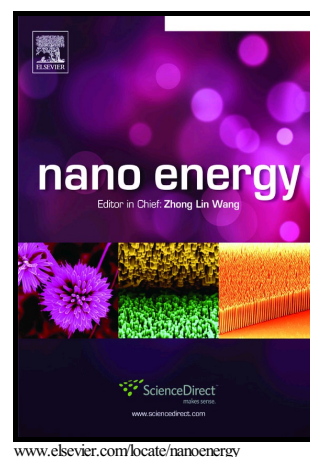


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New Liquid Carbon Dioxide Based Strategy for High Energy/Power

Density LiFePO₄

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ABSTRACT

A liquid carbon dioxide (*l*-CO₂) based coating approach is developed for ultrathin, uniform, and conformal carbon coating of hierarchically mesoporous LiFePO₄ (LFP) nano/microspheres for fabricating high-energy-density and high-power-density carbon coated LFP (C-LFP) with long-term cyclability. The unique properties of *l*-CO₂ result in an ultrathin carbon layer (1.9 nm) distributed all

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