

Lithium-sulfur (Li-S) cells have received particular attention as a "post lithium ion" energy storage system. However, low sulfur utilization and poor redox kinetics are still key challenges to ...

Titanium nitride (TiN) is a transition metal nitride material with remarkable properties including high electrical conductivity, high hardness and excellent thermal stability ...

Facile Preparation of Mesoporous Titanium Nitride Microspheres for Electrochemical Energy Storage ACS Applied Materials & Interfaces (IF8.3) Pub Date : 2010-12-10 00:00:00, DOI: ...

The selection of phase change materials (PCMs) as energy storage media is an effective way to achieve practical utilization to solve the uncontinuity and unstability of solar ...

High energy storage density titanium nitride-pentaerythritol solid-solid composite phase change materials for light-thermal-electric conversion Rongrong Luo a, Liuwei Wang a, ...

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Recently, titanium nitrides have attracted extensive interests as an active material for electrodes in fuel cell because of their excellent physical properties (such as high melting ...

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