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Title: Oslo Communication Base Station Supercapacitor Products

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What is a solid-state supercapacitor (SSC)?

A solid-state supercapacitor (SSC) was assembled using the carbonized and acid-treated UIO-66 electrodes and gel electrolyte. A maximum specific energy of 2.13 Wh/kg at the specific power of 200 W/kg, and CF retention of 85% and Coulombic efficiency of 100% after 10,000 times repeated charge/discharge cycling process were obtained. 2.

Is UiO 66 a solid-state supercapacitor?

The UIO-66 and carbonized UIO-66 without acid treatment only shows C F values of 0.61 and 32.78 F/g, respectively. A solid-state supercapacitor(SSC) was assembled using the carbonized and acid-treated UIO-66 electrodes and gel electrolyte.

Why do we need a supercapacitor electrode?

The electrodes are well demanded as it will give supercapacitors a real power boost function and significantly higher energy storage capacity. Supercapacitors are used in many applications like trains, wind mills, EV, grid balancing, electrical vessels, electronic circuits for wireless sensor network and IoT systems.

HANDYMAN POWER - Professional solar cells, solar power plants, power storage, power generation plants, inverters, energy storage cabinets, energy storage containers, telecommunication cabinets, ...

Being an international leading research group for supercapacitors, we have developed electrodes that gives more than three times higher energy density in average than the state-of-the-art ...

The zirconium-based metal organic framework, Universitetet i Oslo-66 (UIO-66), has attracted much attention as electroactive material for supercapacitors. The carbonization and acid ...

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# Oslo Communication Base Station Supercapacitor Products

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