
In this paper, a liquid membrane ruptured assisted AgNWs self-assembly method was adopted to obtain conductive veins, which ...

In this review, we account the current progress in pseudocapacitive electrode materials, fabrication techniques and new materials for electric double layer capacitor, and ...

The vein pattern of liquid-metal electrodes can significantly modulate the mechanical properties of the sensors and enhance the stretchability of the e-skin system. In this work, a design concept ...

We report on the development of LIG-based flexible supercapacitors with optimized geometries, which demonstrate high capacitance and energy density while ...

The invention discloses a kind of preparation methods of flexible and transparent supercapacitor, comprising the following steps: (1) prepares leaf vein; (2) preparation has the fexible...

Based on this flexible electrode, flexible all-solid supercapacitors with superlative electrochemical properties using white/yolk as gel-like solid electrolyte and eggshell ...

In this paper, a liquid membrane ruptured assisted AgNWs self-assembly method was adopted to obtain conductive veins, which show a low sheet resistance of 3.6 /? and a ...

Herein, this study introduces a novel "leaf-vein" structured QSE, fabricated by combining a flexible hydrogel (UV in-situ curing) with a robust nanofiber network ...

Herein, an ultrasensitive and flexible humidity sensor on the basis of a natural leaf vein is proposed. The proposed humidity sensor is composed of a biodegradable natural leaf ...

Herein, inspired by the plant leaves, we prepared a highly conductive composite paper via a facile and fast vacuum-assisted filtration method. Among it, micron/nano cellulose filaments were ...

Herein, an ultrasensitive and flexible humidity sensor on the basis of a natural leaf vein is proposed. The proposed humidity sensor is composed of a biodegradable natural leaf vein, ...

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