Supercapacitor in a fiber format
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Background
Portable and wearable electronic devices represent a mainstream direction in modern electronics and related fields. The power system such as supercapacitor is required to be lightweight, flexible and stretchable, and can be integrated with a high performance. Herein, novel supercapacitors in a fiber format are created to satisfy the above requirements. In particular, they can be integrated into miniature devices and woven into electronic textiles.

Structure
- **Twisting structure**
- **Coaxial structure**

![Diagram of twisting supercapacitor](image)

![Diagram of coaxial supercapacitor](image)

Property
- **Stretchable**
- **Self-healable**

![Diagram of stretchable supercapacitor](image)

![Diagram of self-healable supercapacitor](image)

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