

Flexible and Wearable Power Sources for Next-Generation Wearable Electronics



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Invited for this month's cover picture is the group of Cheng Zhong. The cover picture shows the coming new era of flexible and wearable power sources for next-generation wearable electronics. Read the full text of the Review at 10.1002/batt.202000115.

What is the most important highlights of this review?

In this review, the requirements of flexible and wearable power sources as well as several promising power supplies for the application of wearables are highlighted, along with the remaining challenges and some possible research directions for future development.

What was the inspiration for this cover design?

Turning the cocoon into a butterfly means an era change from bulky batteries to flexible and wearable batteries. Correspondingly, the person loaded with a conventional bulky and rigid battery is passing the baton to the next person with wearables, which illustrates the coming new era of flexible and wearable power sources for next-generation wearable electronics.

What are the main challenges in the broad area of your research?

The main challenges in the field of flexible and wearable power sources for wearable electronics include: 1) development of novel battery system with high flexibility and energy density; 2) lack of inclusive overall evaluation system for wearable power sources with unambiguous standards; 3) difficulty of industrial scale fabrication technology for wearable power sources.

