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Characterisations of carbon-fenced conductive silver nanowires-supported hierarchical polyaniline nanowires

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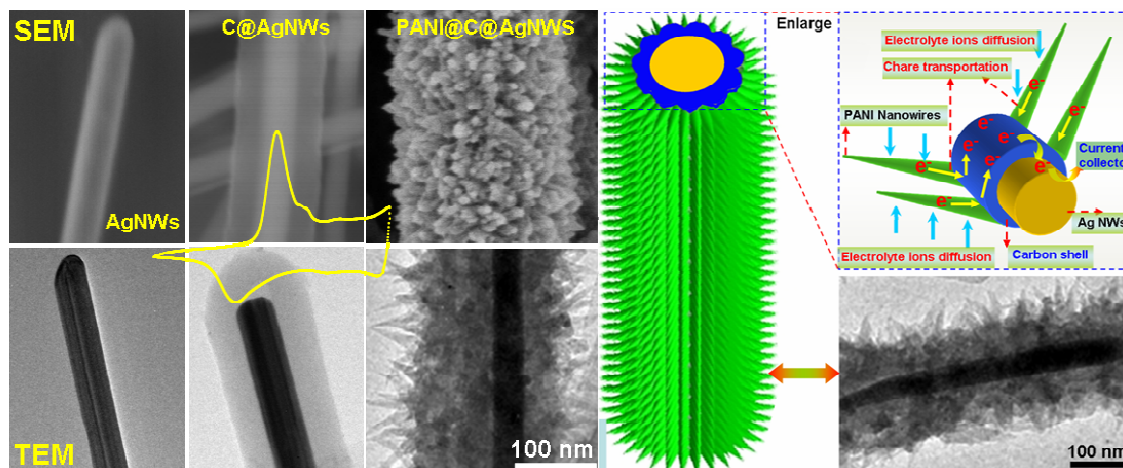
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## A Graphical Abstract



The novel carbon-fenced conductive silver nanowires-supported hierarchical polyaniline nanowires (i.e. PANI@C@AgNWs) have been successfully designed to exploit the synergistic effect for electrochemical energy storage. The electronic conductive hybrid PANI@C@AgNWs nanocomposite electrode leads to a high specific capacity (785 C/g at 0.5 A/g) and good cycling stability (94.1% after 3000 cycles) compared to the electrode without AgNWs, and it is also superior or close to some individual PANI nanostructures and PANI composite materials.

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