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Title: Flexible electrochemical capacitors based on polypyrrole/carbon fibers via chemical polymerization of pyrrole vapor

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### Highlights

- Polypyrrole (PPy) is deposited on carbon fibers (CFs) by monomer vapor polymerizing.
- Property and morphology of PPy/CFs are affected by the concentration of used oxidant.
- Flexible wire-shape capacitor based on PPy/CFs exhibits good capacitive performances.

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