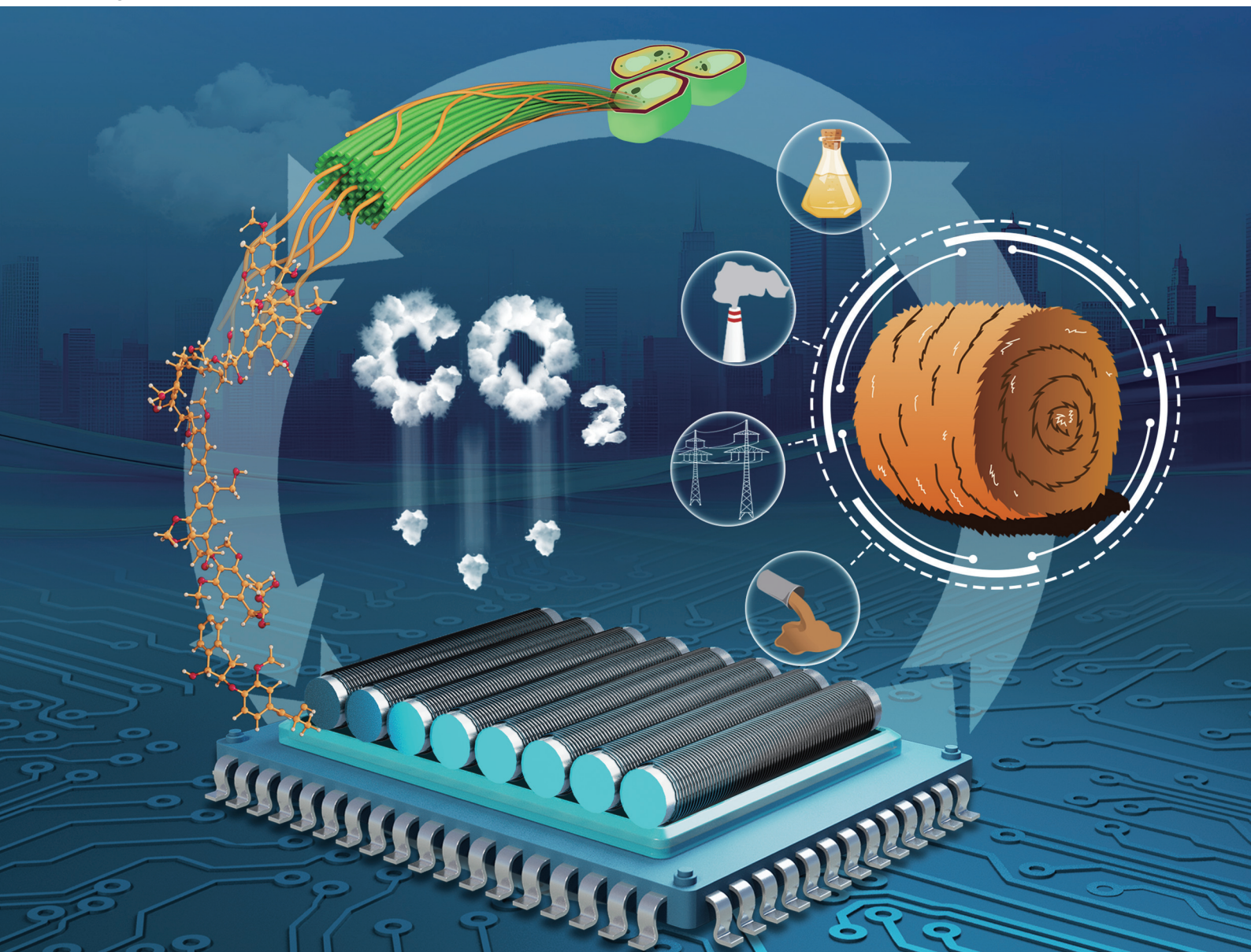


# Green Chemistry

Cutting-edge research for a greener sustainable future

[rsc.li/greenchem](https://rsc.li/greenchem)

Volume 27  
Number 4  
28 January 2025  
Pages 841-1226



ISSN 1463-9262

**PAPER**

Qiang Li *et al.*  
Replacing polyacrylonitrile with Kraft lignin for sustainable  
carbon fiber manufacturing mitigates carbon emissions