

RSC Sustainability

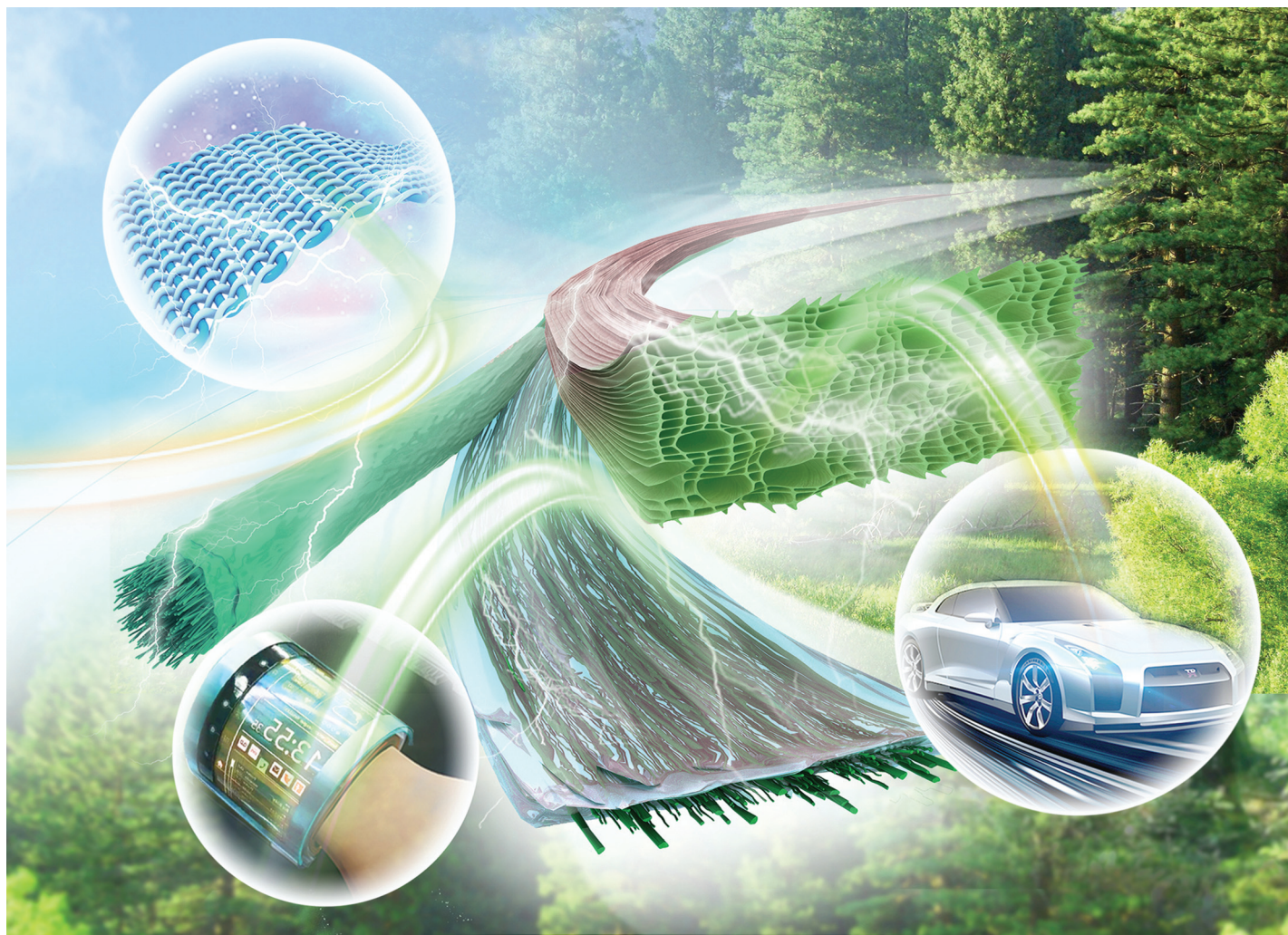
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Fundamental questions
Elemental answers



Showcasing research from Professor Yiqiang Wu's laboratory, College of Materials Science and Engineering, Central South University of Forestry and Technology, Changsha, PR China.

Recent advances in wood-based electrode materials for supercapacitors

The hierarchical structure and characteristics of natural wood with a "top-down" view were presented. The structure-property-function relationships between the hierarchical micro- and nanoscale structure of wood and electroactive materials were discussed. A summary of the recent advances in wood-based free-standing SC electrodes with a unique point that is ever out of the spotlight was made, including 1D integrated fibers, 2D flexible films/papers, 3D porous hydrogels/aerogels, and ultra-thick electrodes.

As featured in:



See Yiqiang Wu *et al.*, *Green Chem.*, 2023, 25, 3322.