

Environmental Science: Atmospheres

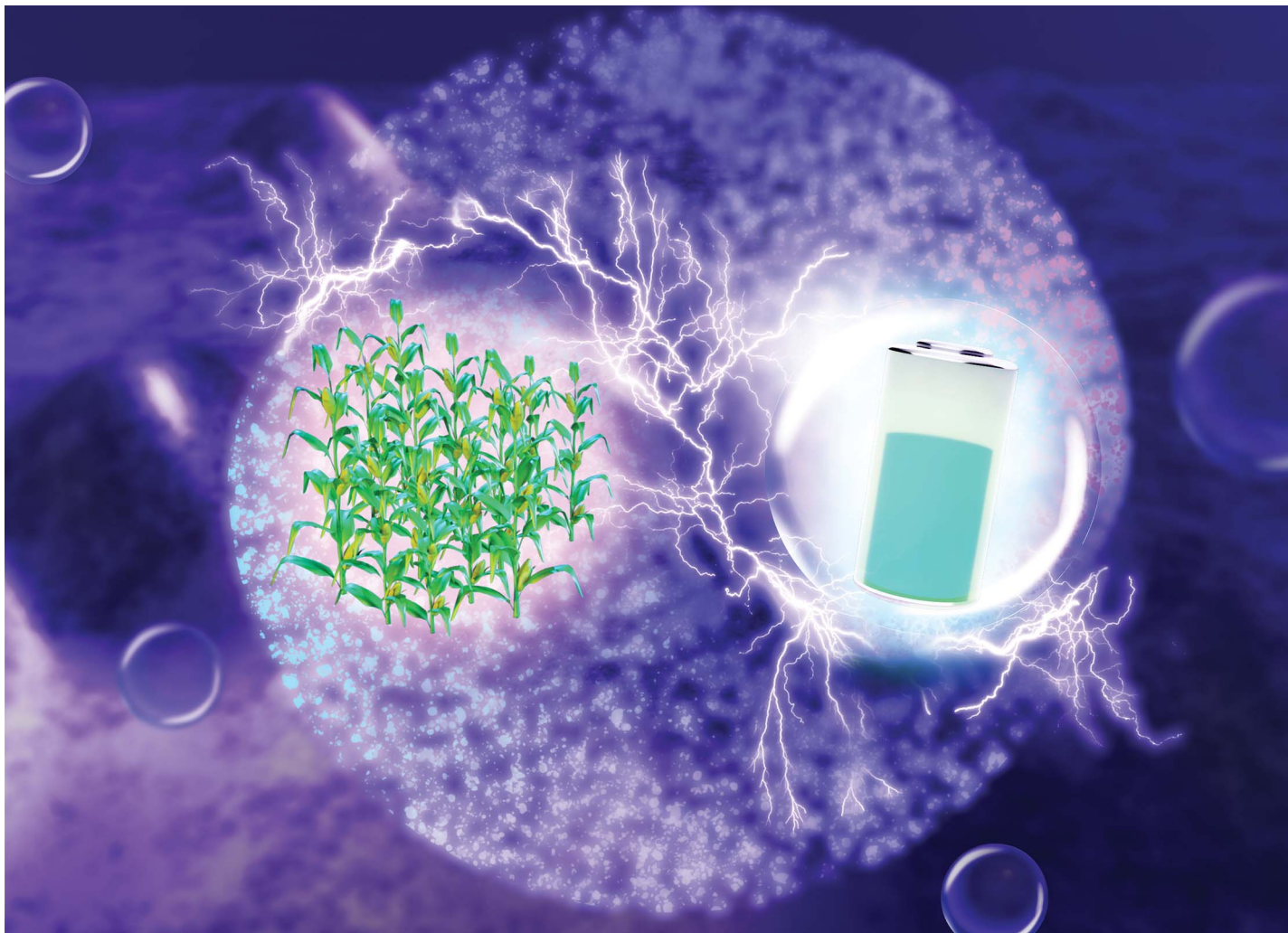
GOLD
OPEN
ACCESS

Connecting communities
and inspiring new ideas

rsc.li/submittoEA

Fundamental questions
Elemental answers





Showcasing a review from Prof. Mengyao Gao's Laboratory for Waste-Derived Green N-Doped Materials: Mechanistic Insights, Synthesis, and Comprehensive Evaluation at National Taiwan University of Science and Technology, Taipei, Taiwan.

Waste-derived green N-doped materials: mechanistic insights, synthesis, and comprehensive evaluation

This review highlights sustainable nitrogen-doped biomass-derived materials for energy, catalysis, and water treatment, emphasizing synthesis strategies, nitrogen configurations, DFT insights, and performance mechanisms toward advanced multifunctional green materials.

Image reproduced by permission of Mengyao Gao from *RSC Sustainability*, 2025, **3**, 5051.

As featured in:



See Mengyao Gao *et al.*, *RSC Sustainability*, 2025, **3**, 5051.