



Showcasing research from laboratories of Professor Jin, Department of Organic Materials, Chungnam National University, Daejeon, Korea and Professor Jung, Department of Materials Science and Engineering, Seoul, Korea.

Facile encapsulation strategy for uniformly-dispersed catalytic nanoparticles/carbon nanofibers toward advanced Zn-air battery

This study presents a facile strategy to fabricate carbon nanofibers with uniformly dispersed metal nanoparticles encapsulated in a thin carbon layer. This structure enhances the ORR/OER dual-functionality and significantly improves the cycle stability of zinc-air batteries, offering a promising approach for advanced energy storage systems.

As featured in:



See Ji-Won Jung,
Hyeong Min Jin *et al.*,
J. Mater. Chem. A, 2025, **13**, 3339.