

Supplementary Data

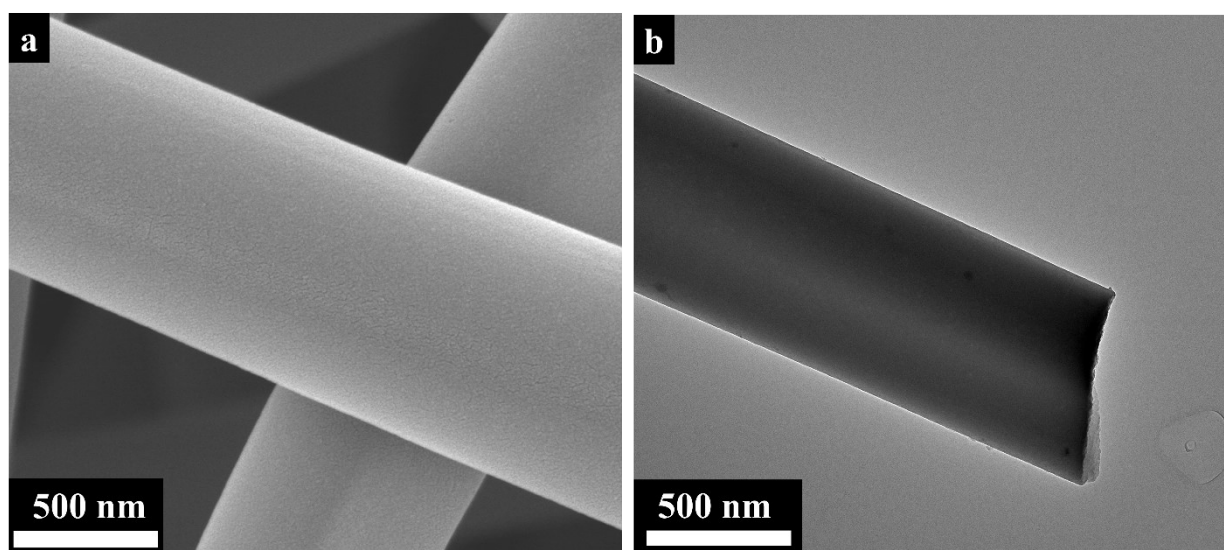


Figure S1. Morphology analysis of CNF: a - Scanning Electron Microscope characterization; b - High-Resolution Transmission Electron Microscope image.

Table S1. BET summary results.

Composite	BET Surface Area, m ² g ⁻¹	Pore Volume, cm ³ g ⁻¹	Pore Diameter, nm
CNF	685.219	0.293	3.793
Ni/NiO@CNF	392.756	0.246	3.841

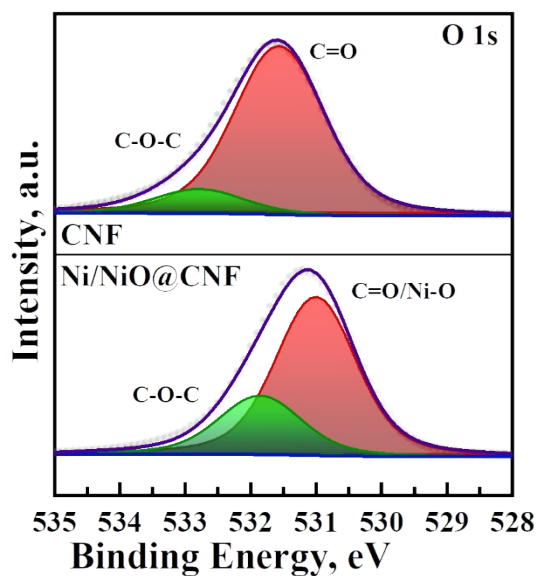


Figure S2. High-resolution O 1s XPS spectra of CNF and Ni/NiO@CNF.