

Physiochemical and Electrochemical Properties of a Heat-Treated Electrode for All-Iron Redox Flow Batteries

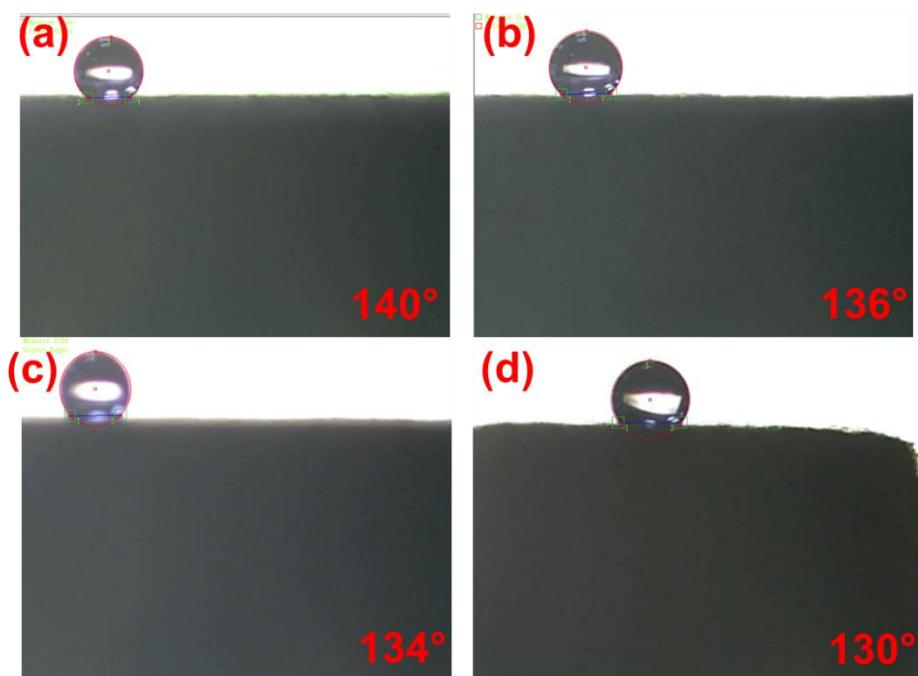


Figure S1. Contact angle measurements for (a) Pristine GF; (b) 400 °C GF; (c) 500 °C GF; (d) 600 °C GF.

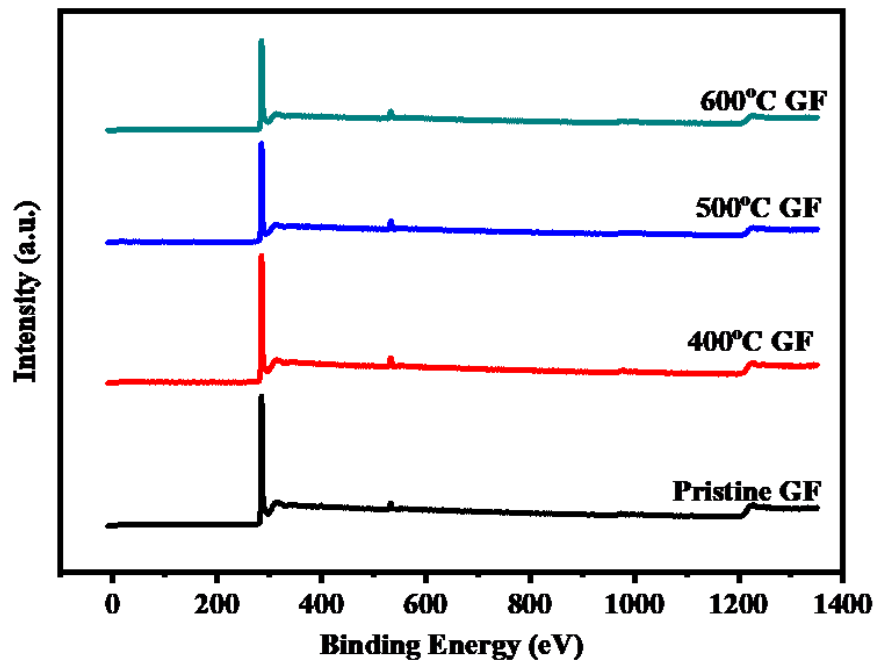


Figure S2. XPS spectra of pristine GF, 400 °C GF, 500 °C GF, 600 °C GF.

Table S1. Calculated specific capacitances for pristine GF, 400 °C GF, 500 °C GF, 600 °C GF at different cyclic voltammetry scan rates.

Scan rate	40 mV s ⁻¹	60 mV s ⁻¹	80 mV s ⁻¹	100 mV s ⁻¹
Sample name				
Pristine GF	19.5 Fg ⁻¹	15.1 Fg ⁻¹	11.8 Fg ⁻¹	5.5 Fg ⁻¹
400°C GF	31.5 Fg ⁻¹	26.5 Fg ⁻¹	16.5 Fg ⁻¹	11.2 Fg ⁻¹
500°C GF	40.5 Fg ⁻¹	30.3 Fg ⁻¹	23.9 Fg ⁻¹	22.3 Fg ⁻¹
600°C GF	52.4 Fg ⁻¹	39.4 Fg ⁻¹	34.8 Fg ⁻¹	32.5 Fg ⁻¹