

Supplementary Materials

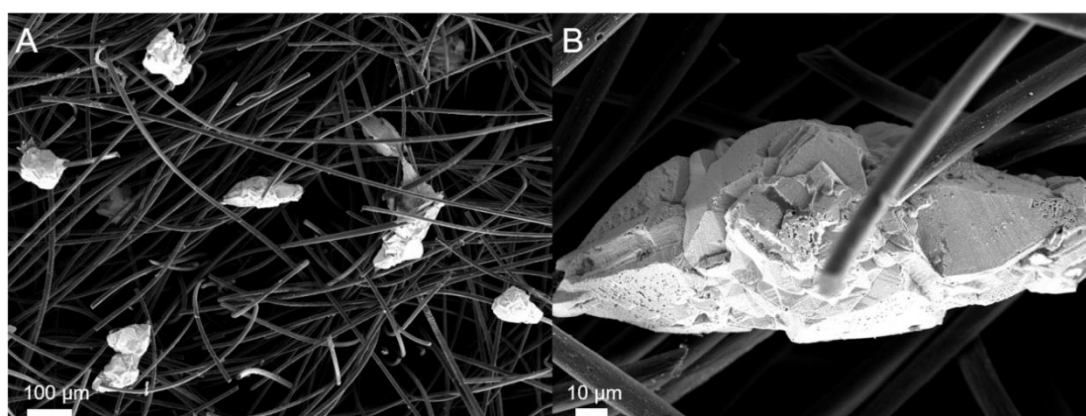
Waste-asphalt-derived carbon interlayer enabling uniform CuS deposition for advanced ferricyanide/polysulfide flow batteries

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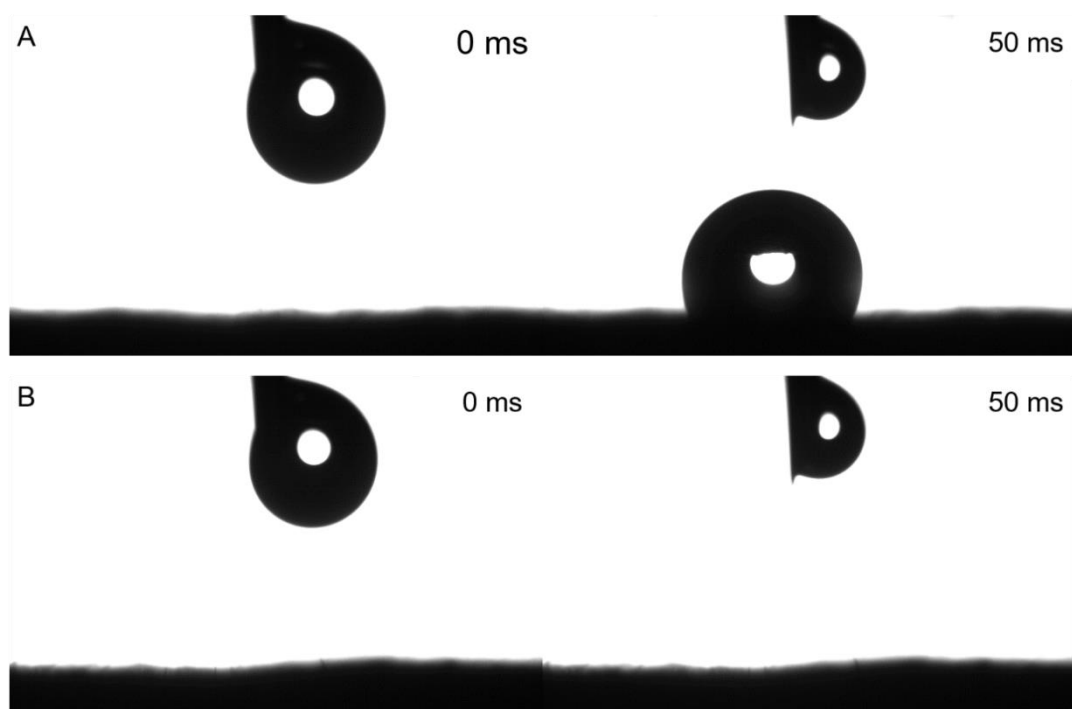
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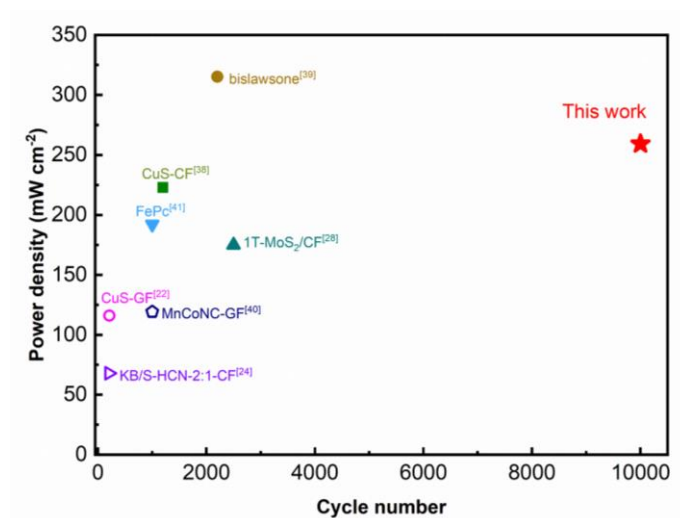
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Supplementary Figure 1. SEM images of the electrodeposited Cu on the pristine CF surface at different magnifications.



Supplementary Figure 2. Contact angle measurements of (A) pristine CF and (B) CuS-WA/CF.



Supplementary Figure 3. Comparison of cycle life and power density of the present system with those of recently reported polysulfide-based flow batteries. Reference numbers correspond to those in the main manuscript.

Supplementary Table 1. Fitted ohmic resistance (R_o) and charge-transfer resistance (R_{ct}) for pristine CF and CuS-WA/CF.

Electrode	R_o (Ω)	R_{ct} (Ω)
Pristine CF	1.18	5.11
CuS-WA/CF	1.15	0.16