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Supporting Information

for *RSC Advances*

Flexible, high performance wet-spinning graphene fiber supercapacitors

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Formulas used in this report:

For CV calculation: $C_a = A / (v \cdot u \cdot s)$

A: integration of all CV curve.

v: scan rate.

u: potential drop.

s: surface area of one single fiber.

For galvanostatic charge and discharge calculation: $C_a = 2 \cdot (t_2 - t_1) \cdot I / (u \cdot s)$

t₂: ending time of the discharge curve of the cycle.

t₁: starting time of the discharge curve of the cycle.

I: current.

u: potential drop.

s: surface area of one single fiber.

Figures for supporting:

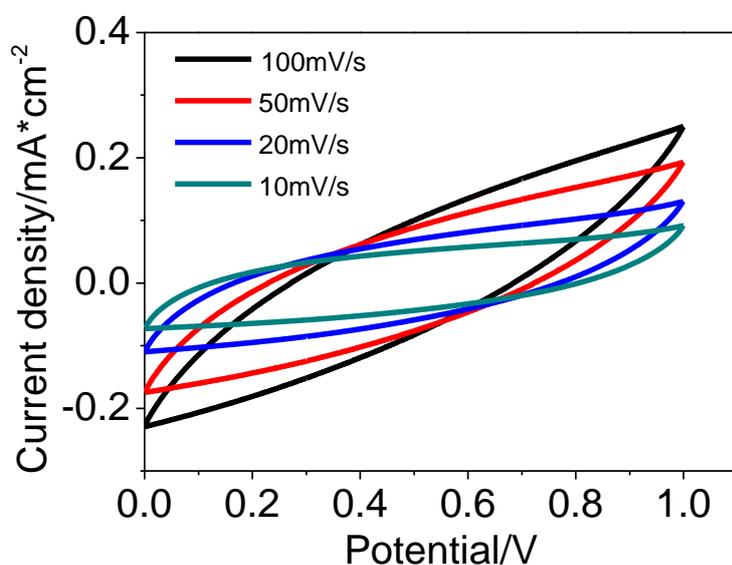


Figure S1: CV curves for N₂H₄-GFSs at different scan rates.

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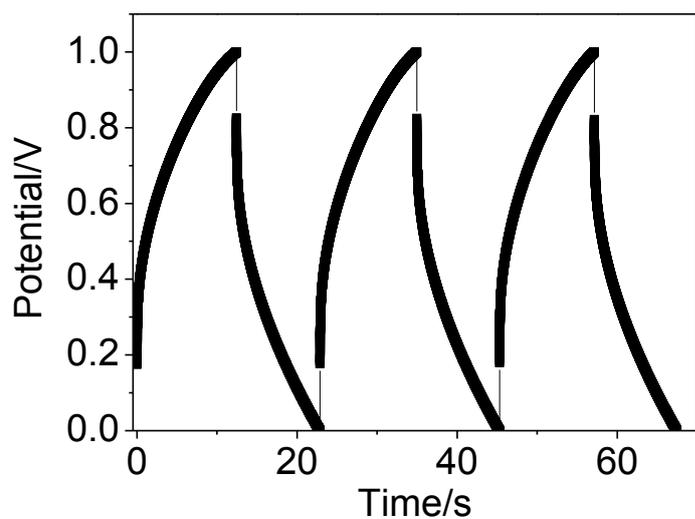


Figure S2: Galvanostatic charge and discharge curve for N₂H₄-GFSs at 0.1 mA/cm².

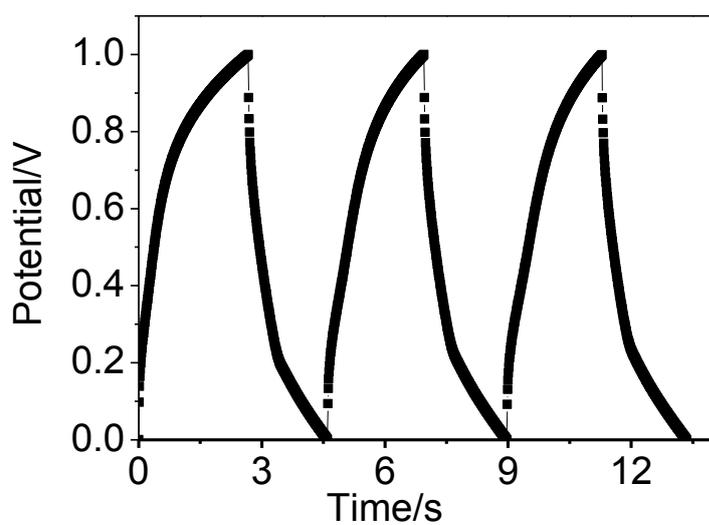


Figure S3: Galvanostatic charge and discharge curve for HI-GFSs at 0.25 µA/cm.

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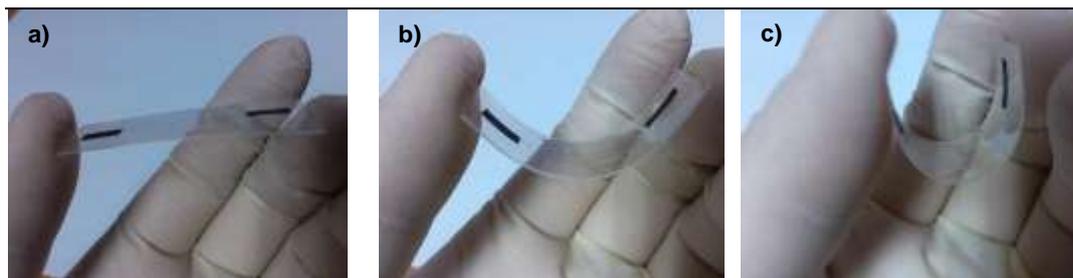


Figure S4: Photographs of flexible GFSs at different bending angles. a) 0 °, b) 90 °, c) 180 °.

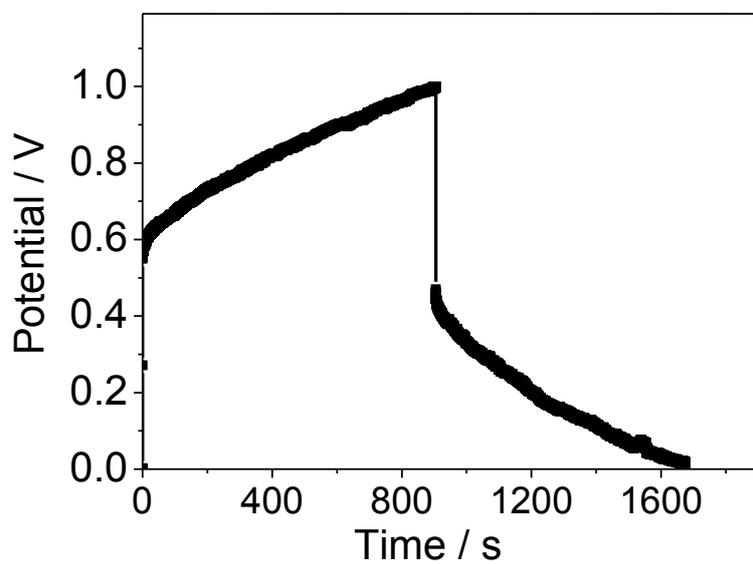


Figure S5: Galvanostatic charge and discharge curve for 20 cm long HI-GFSs at 1 μ A.