Supporting Information

Accelerating the Drug Releasing Performance by Flexible Zinc-Air Fuel Cell based on Polyacrylamide/Cellulose Nanofibril (PAM/CNF) Hydrogel

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Supplementary Figures

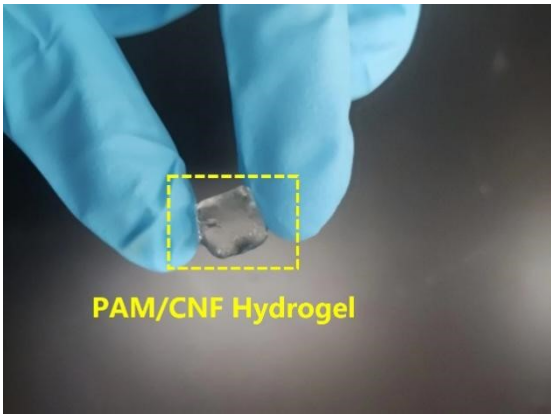

Fig. S1 Diagram of synthesized PAM/CNF hydrogel.

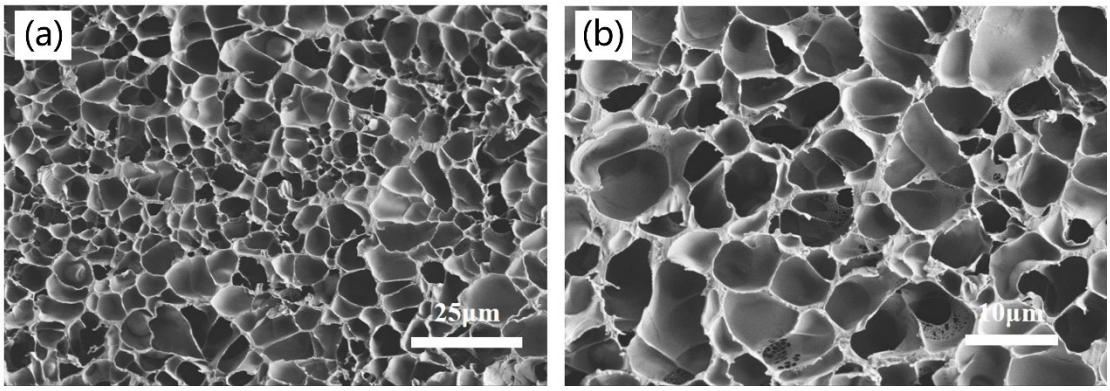

Fig.S2 SEM images of PAM hydrogel at different magnifications.

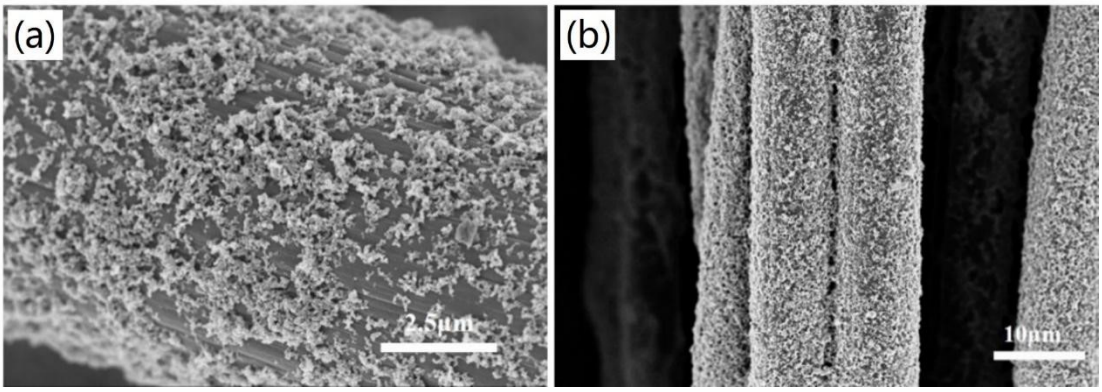

Fig.S3 SEM images of cathode catalysts at different magnifications.

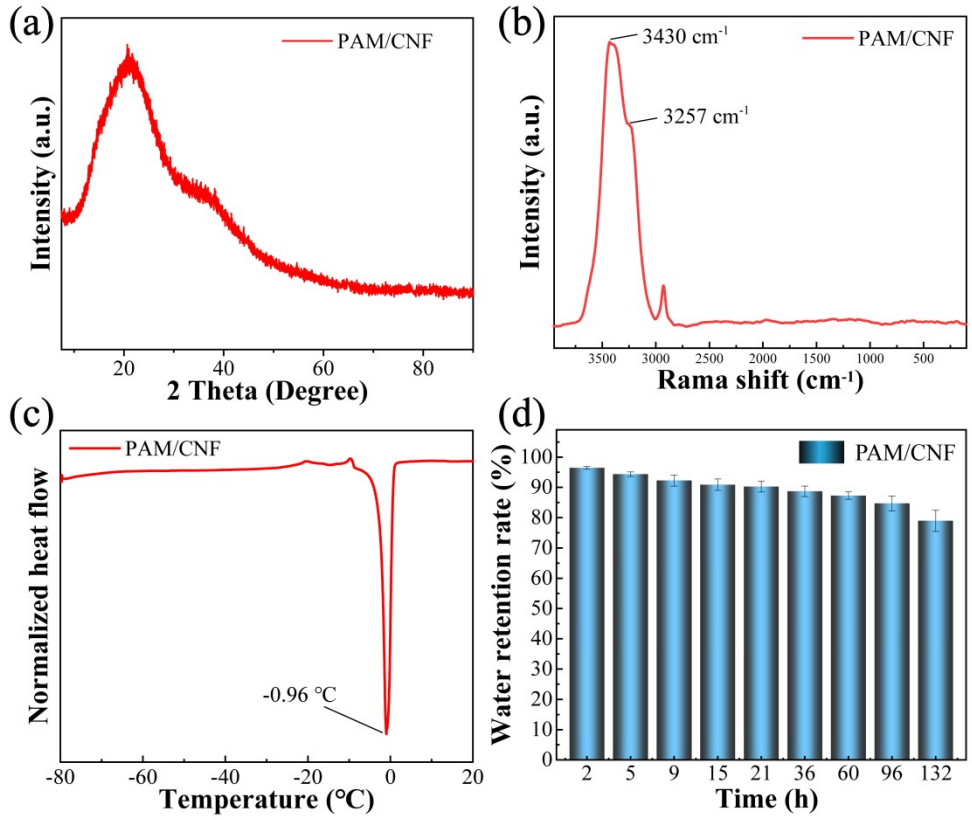

Fig.S4 (a) XRD pattern, **(b)** Rama shift pattern, **(c)** DSC pattern, and **(d)** water retention rate of the PAM/CNF (6% CNF, 0.05% crosslinker) hydrogel.

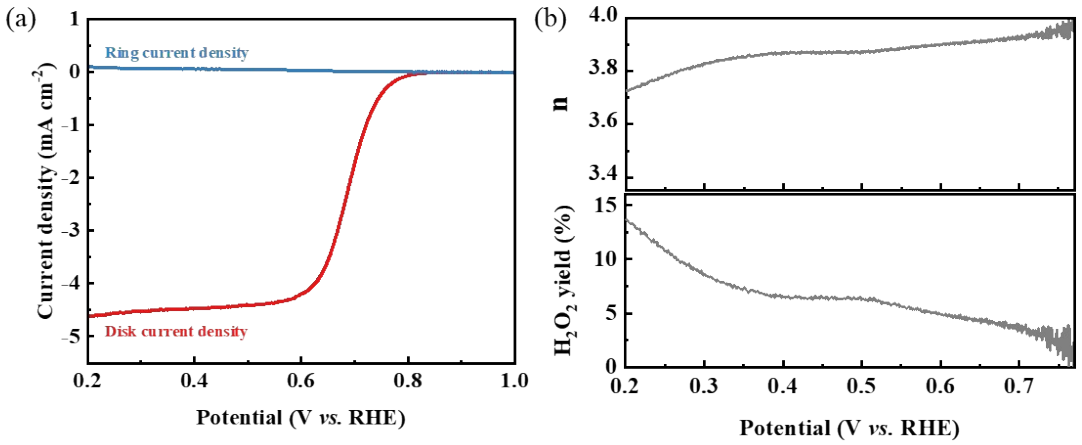

Fig.S5 (a) LSV curves, **(b)** electron transfer number and H_2O_2 yield of Co_3O_4 catalysts in 0.1 M KOH electrolyte at a rotating speed of 1600 rpm with a scan rate of 10 mV s^{-1} during the RRDE test.

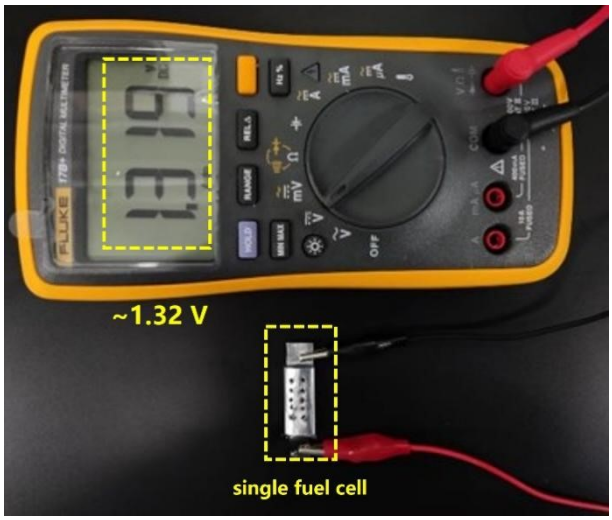

Fig. S6 Diagram of open circuit potential for single flexible ZAFC.