

## Porous ZIF-8@polyacrylonitrile Composite Beads for Iodine Capture

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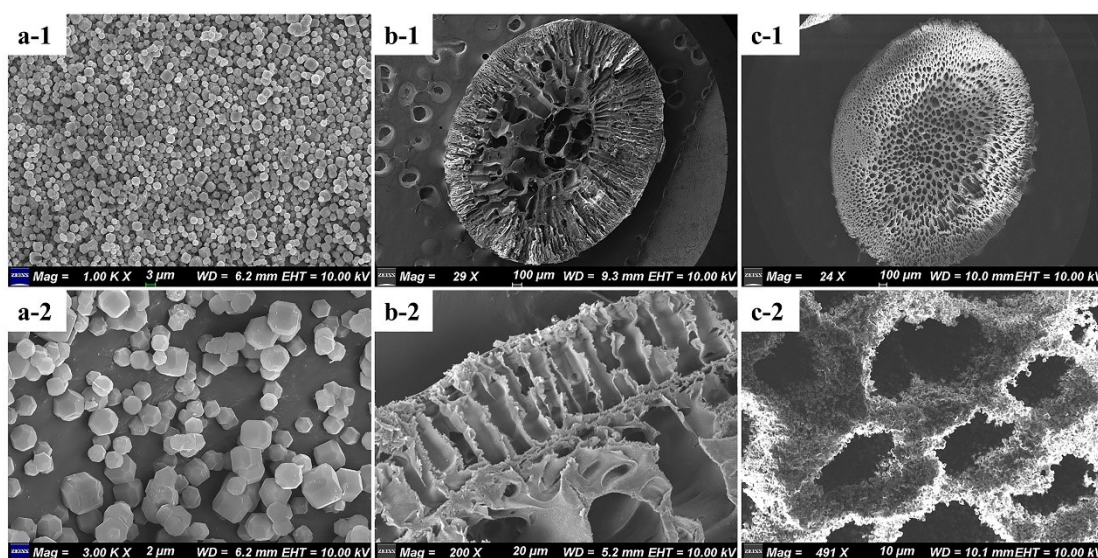
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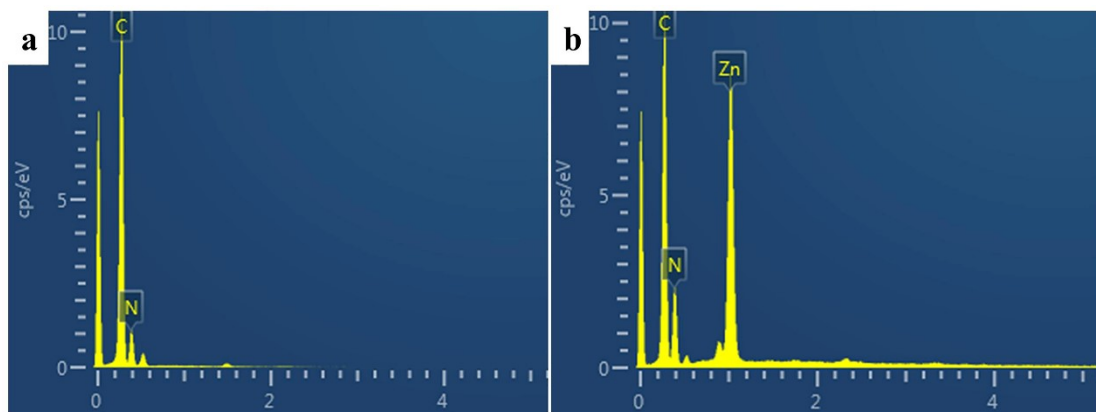
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Petroleum University, Chengdu, Sichuan, PR China 610500.

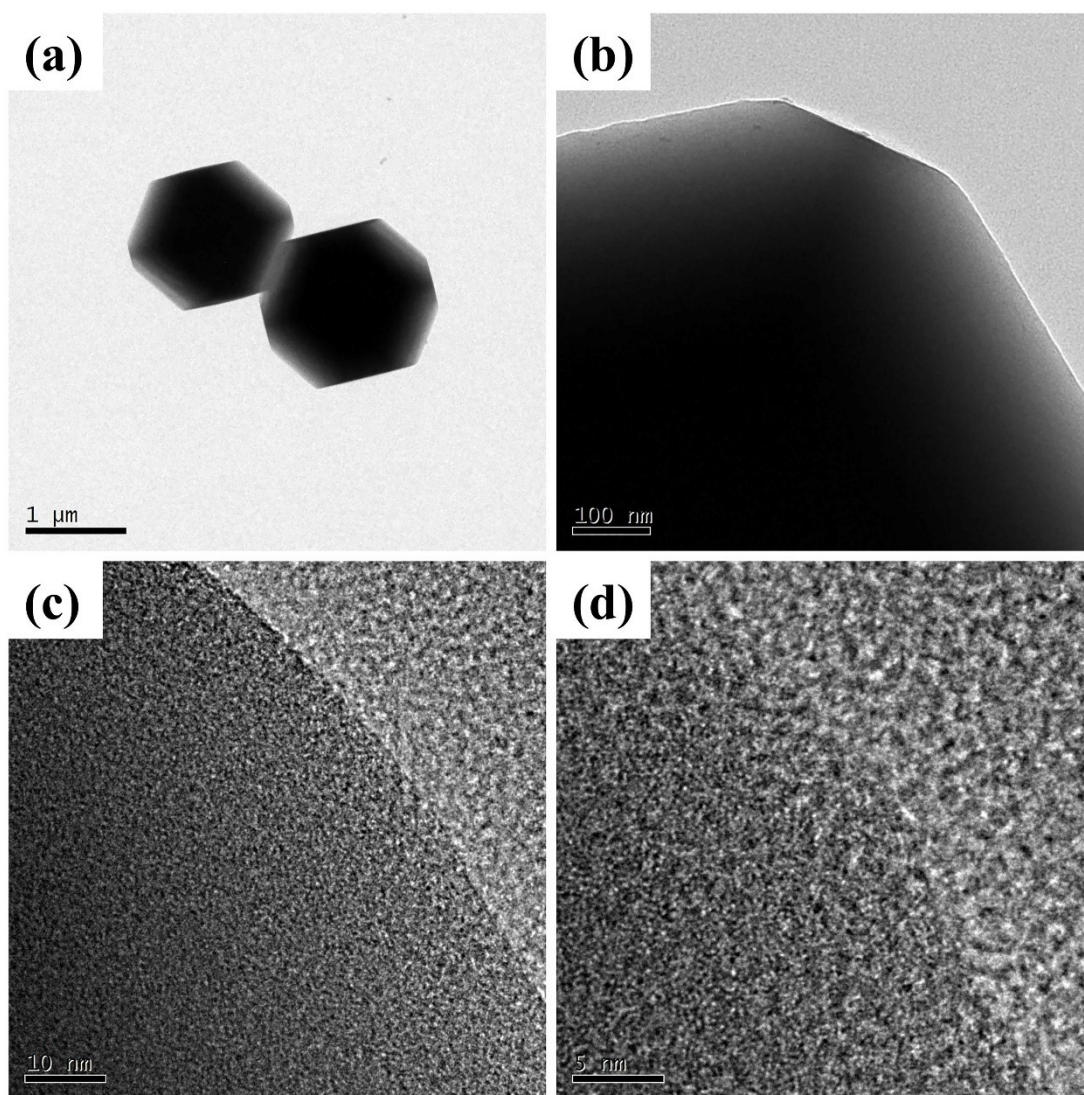
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**Fig. S1.** Figure S1 SEM images of ZIF-8 (a1-a2), PAN (b1-b2), ZIF-8@PAN (c1-c2) at different magnifications.



**Fig. S2.** (a) PAN and (b) EDS of ZIF-8.



**Fig.S3.** HRTEM images of ZIF-8 samples at different magnifications.

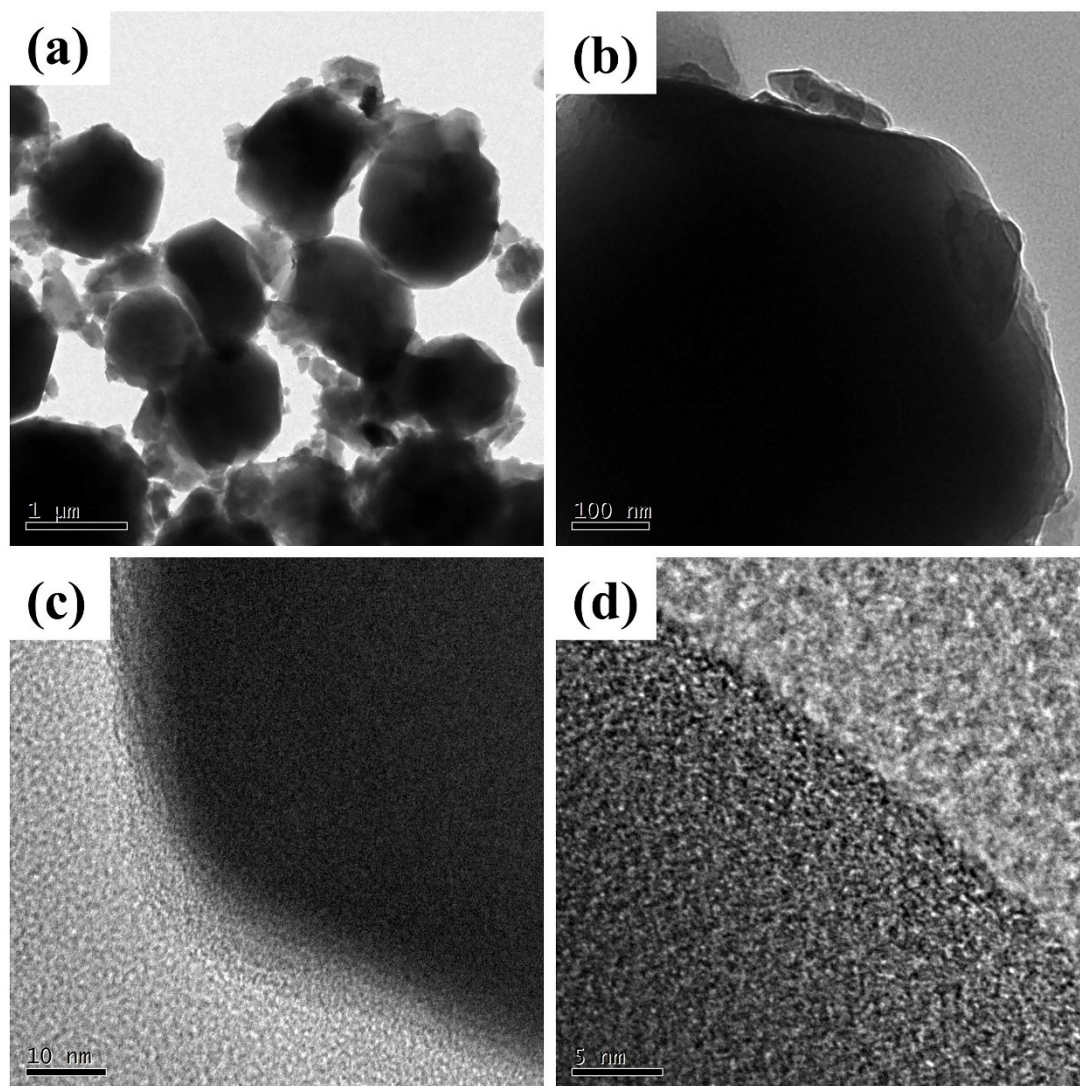


Fig.S4. HRTEM images of ZIF-8@PAN-2:1 samples at different magnifications.

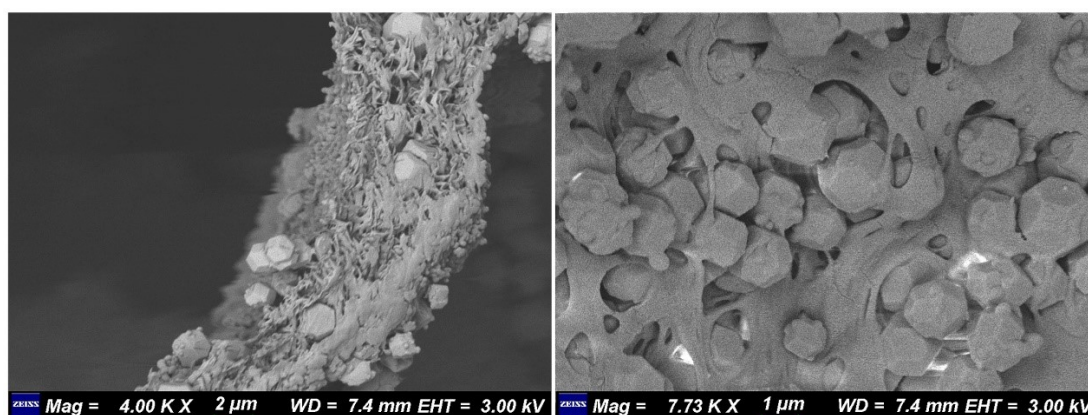


Fig. S5. PAN encapsulated ZIF -8.