

Electronic Supplementary Information (ESI) for

ZIF-8 crystal coatings on polyimide substrate and their catalytic behaviours for Knoevenagel reaction

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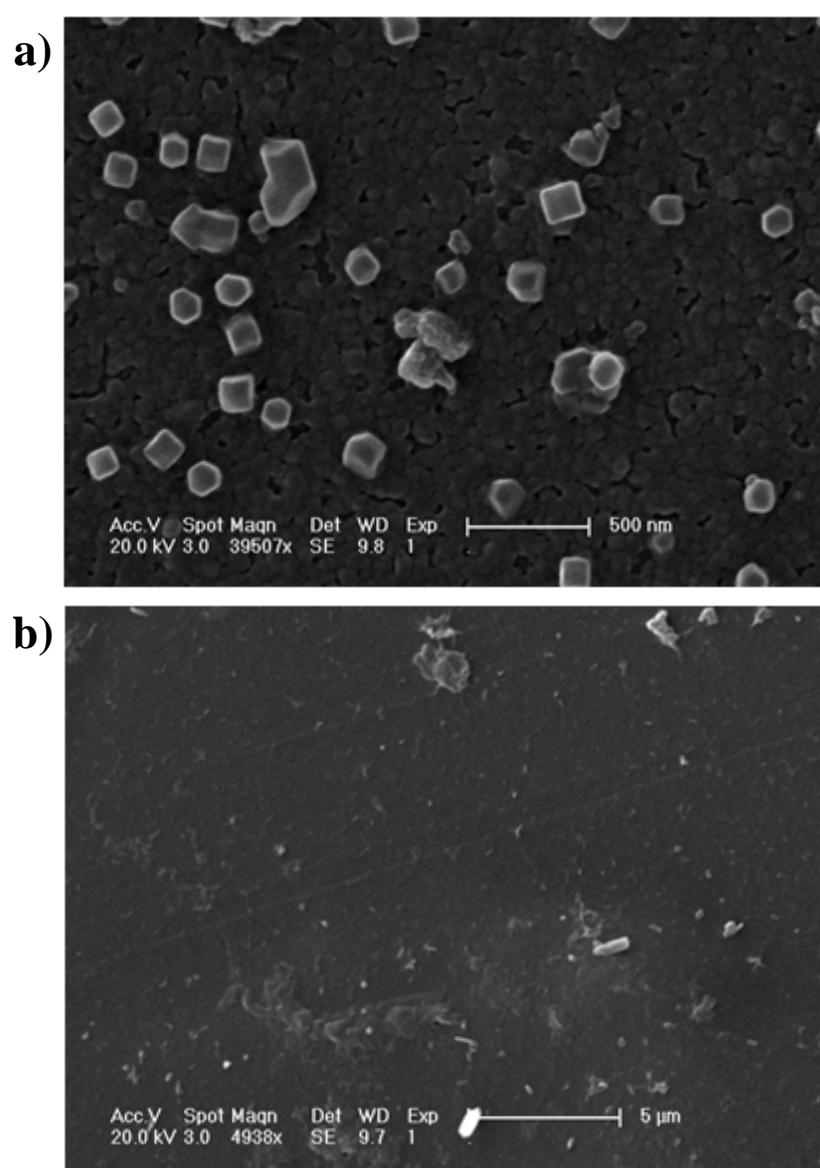


Fig. S1 The SEM pictures of PI surface after PI film immersing in different concentration of 2-methylimidazole/Zn(NO₃)₂ (2/1, molar ratio). a, 1.3×10^{-3} M; b, 4.0×10^{-2} M (based on Zn(NO₃)₂).

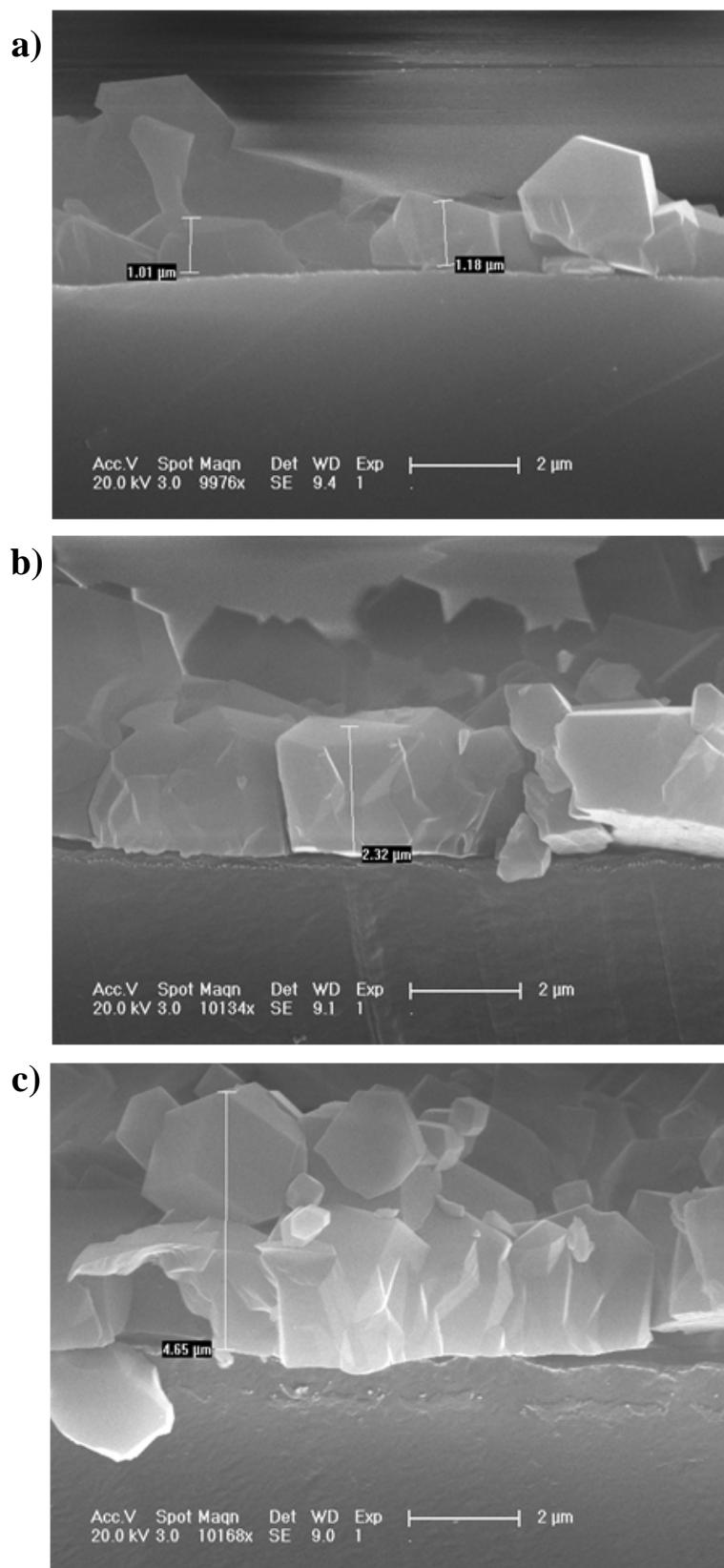


Fig. S2 The cross-section SEM pictures of ZIF-8 films on PI membrane after different growth cycles (a, two; b, four; c, eight).

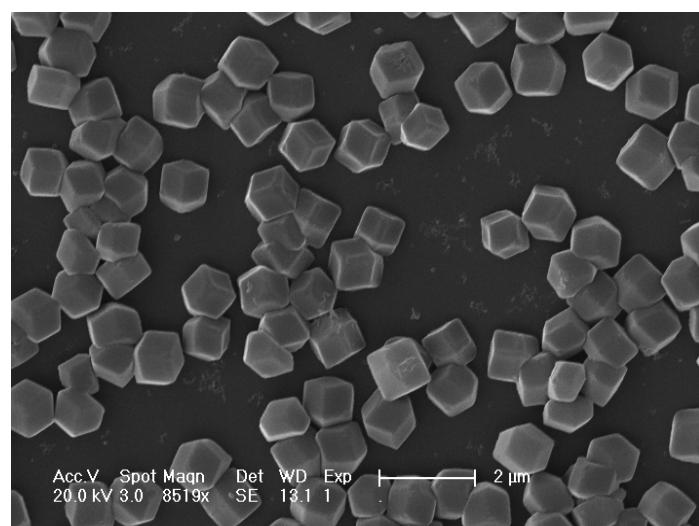


Fig. S3 The SEM picture of ZIF-8 film growing on hydrolyzed PI membrane.

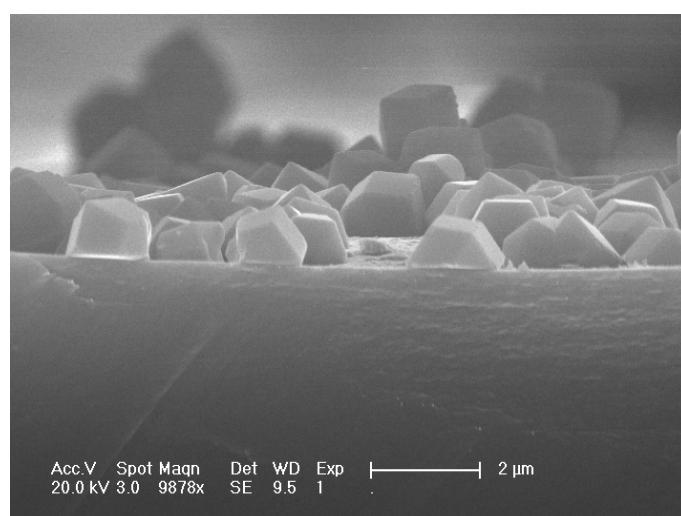


Fig. S4 Most ZIF-8 crystals have a plane bonding the PI surface.