

## Supporting Information

# Utilizing recycled expanded polystyrene plastics to stabilize metal-organic frameworks for heterogeneous catalysis

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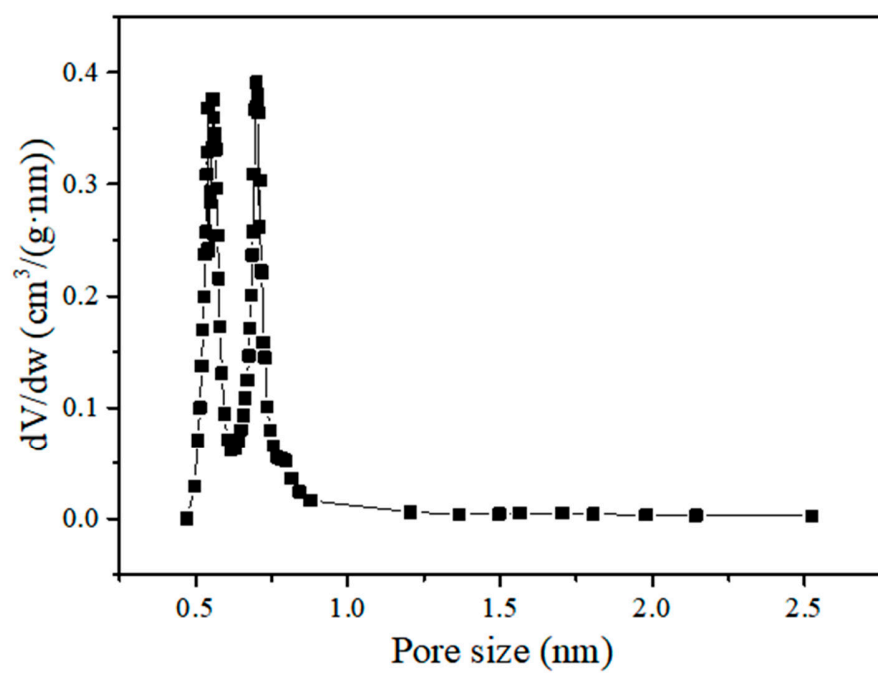
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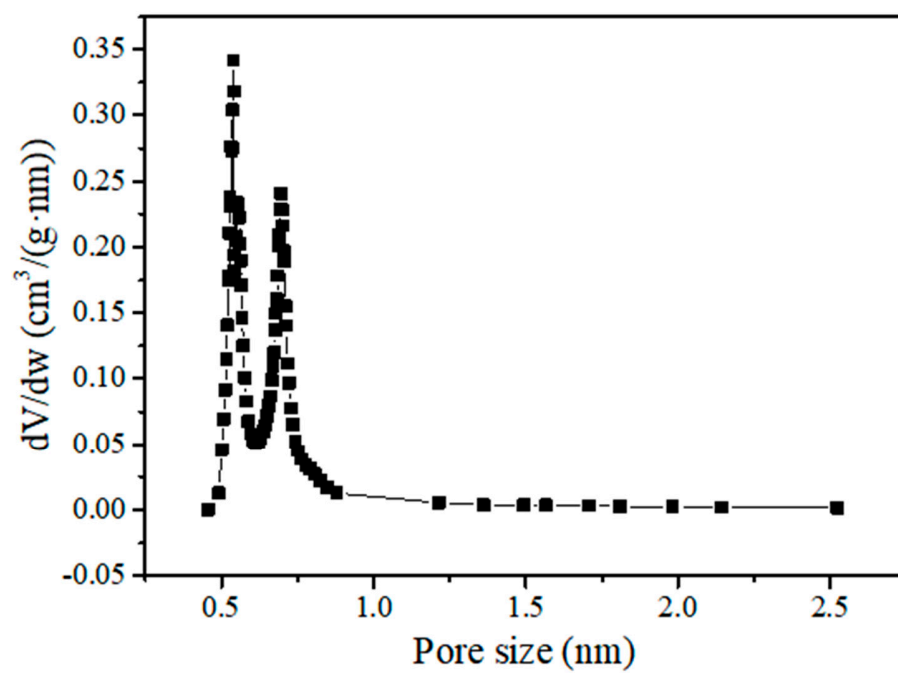
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Figures: 4

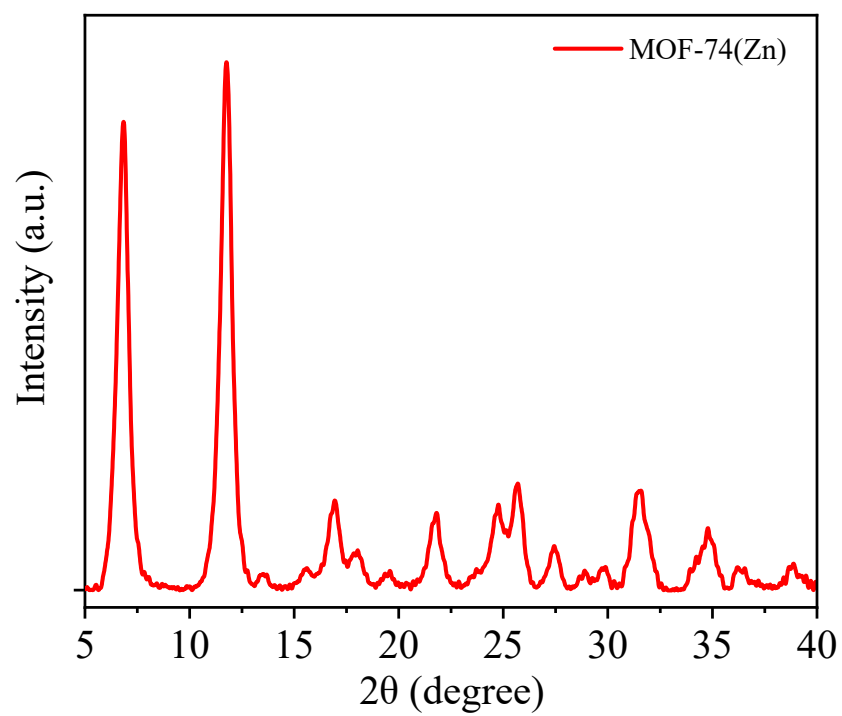
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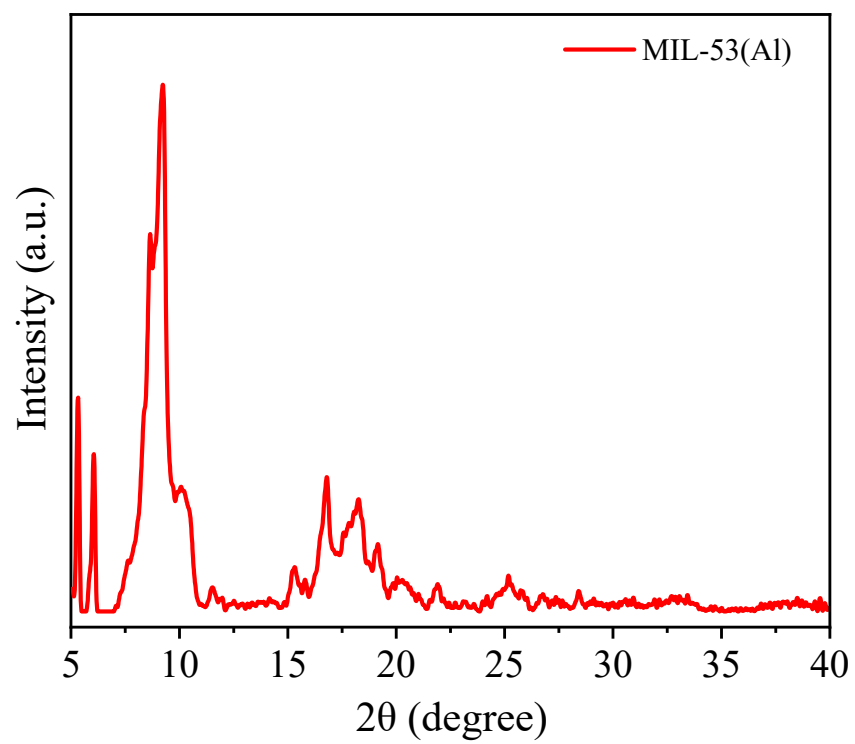
**Figure S1.** Pore size distribution of HKUST-1 nanoparticles



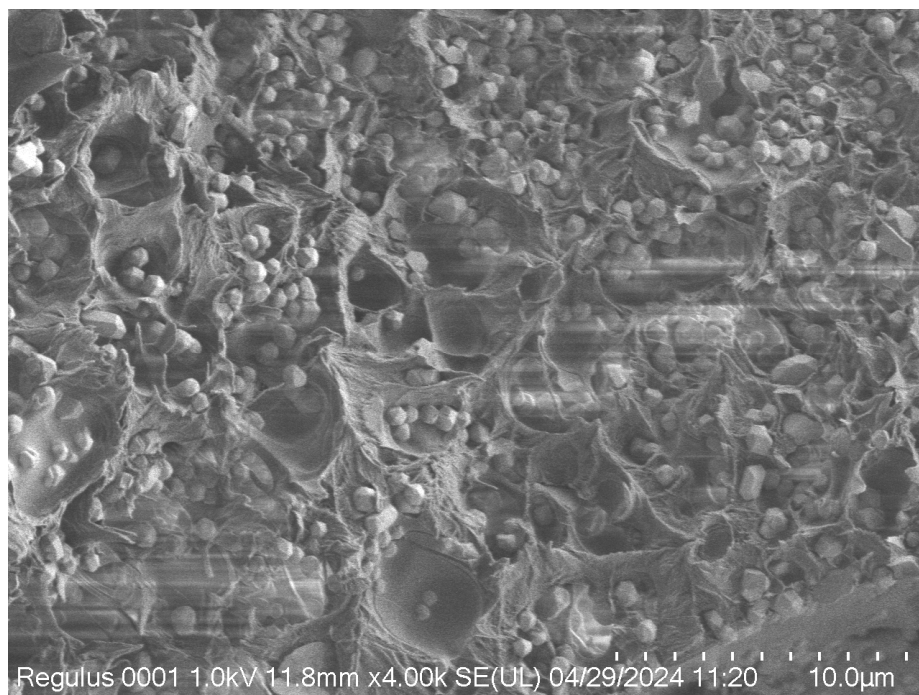
**Figure S2.** Pore size distribution of HKUST-1@EPP



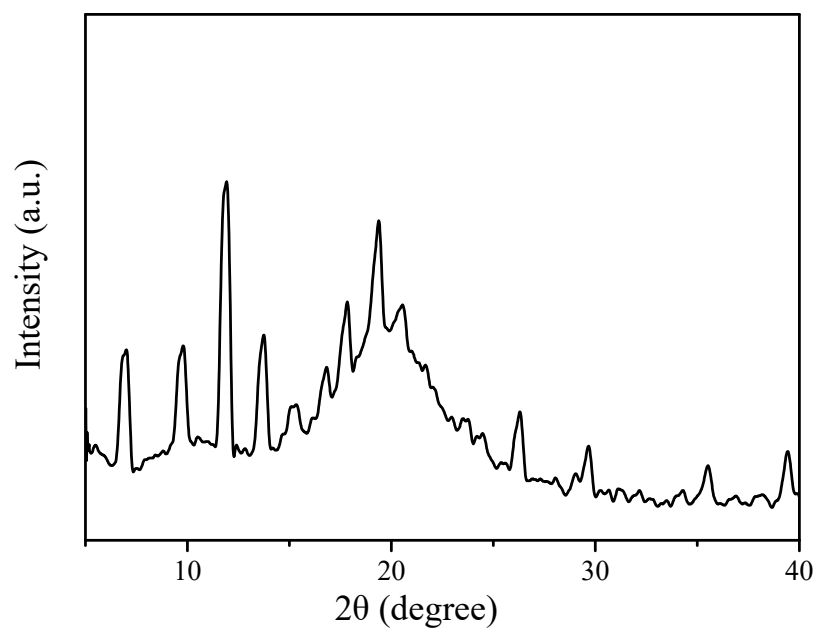
**Figure S3.** XRD pattern of MOF-74 (Zn) nanoparticles



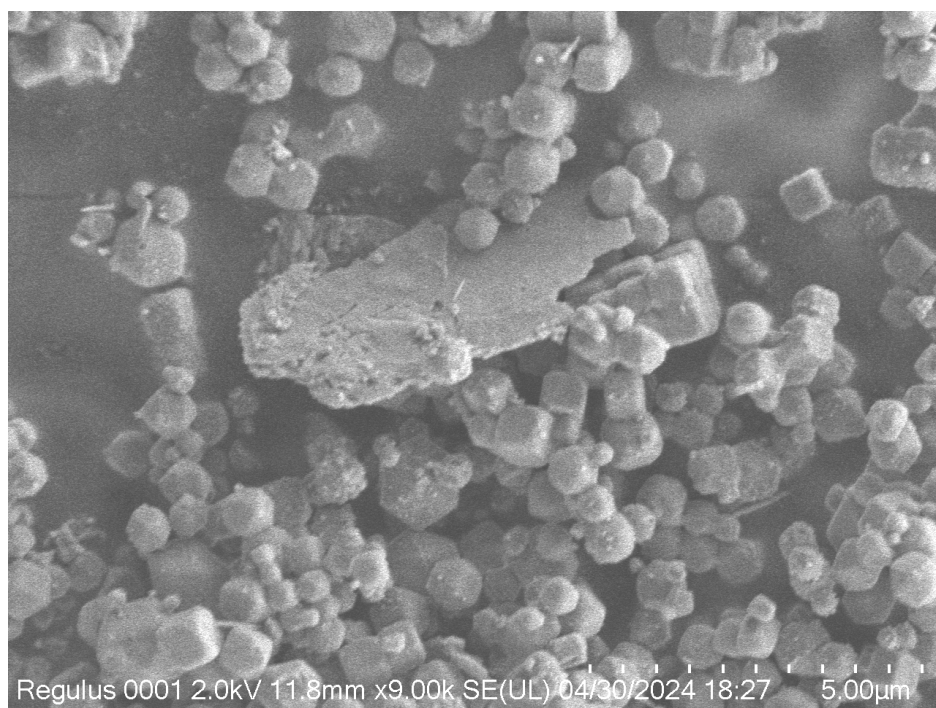
**Figure S4.** XRD pattern of MIL-53 (Al) nanoparticles



**Figure S5.** SEM image of HKUST-1@EPP after the reaction



**Figure S6.** XRD pattern of HKUST-1@EPP after the reaction



**Figure S7.** SEM image of HKUST-1 nanoparticles after the reaction