

Electronic Supplementary Information

Porous MOF-808@ PVDF Beads for Removal of Iodine from Gas Streams

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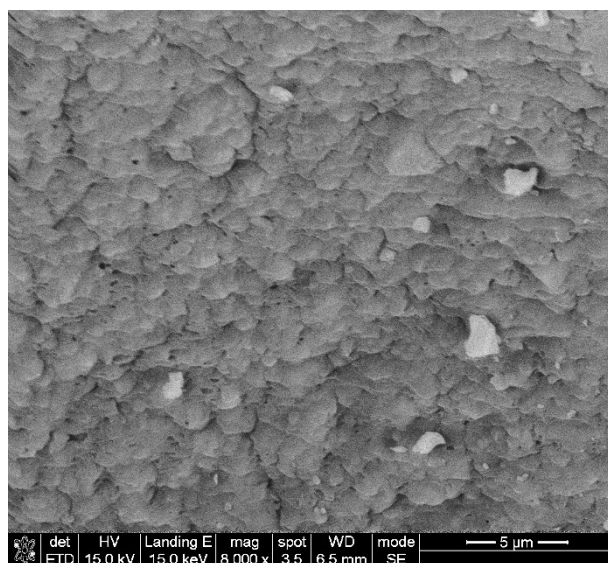


Figure S1 SEM image for the outside surface of 808-PVDF0.7.

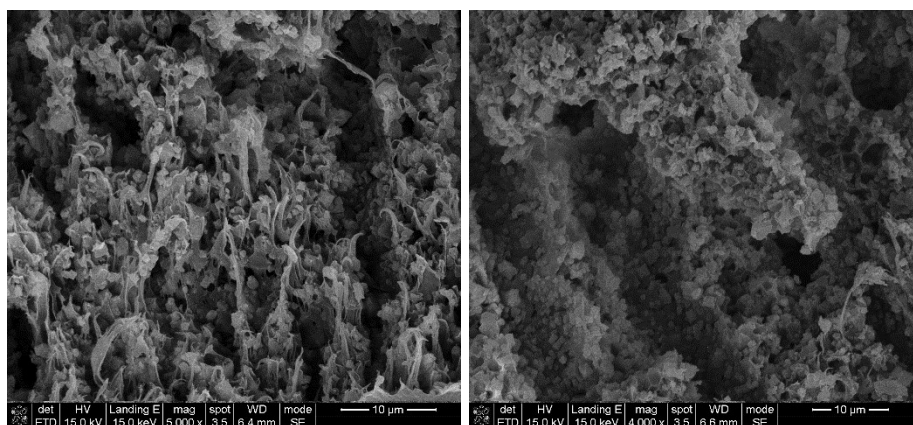


Figure S2 SEM image for the inner texture of 808-PVDF0.7.

Table S1 The contents of MOF-808 in 808-PVDF_x beads

	F atomic %	Zr atomic %	MOF-808 wt.%
808-PVDF0.3	85.88	8.55	36%
808-PVDF0.5	72.27	15.82	55%
808-PVDF0.7	44.53	19.44	71%

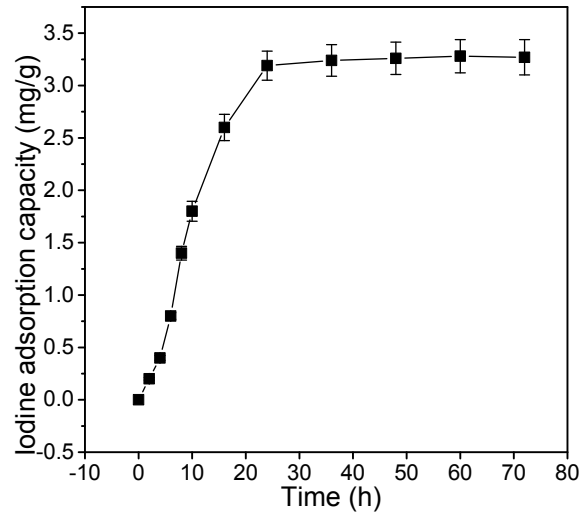


Figure S3 Adsorption curves for PVDF beads at 80 °C.

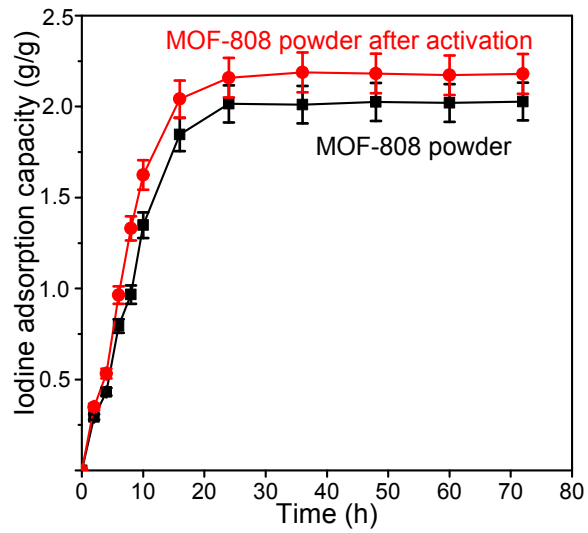


Figure S4 Adsorption curves for MOF-808 powder before and after activation. (activated using 250 mL DMF/25 mL ethylene glycol at 130 °C for 24 h)