Supplementary data

A ZIF-8-based Platform for Rapid and Highly Sensitive Detection of Indoor Formaldehyde

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Table **S1**. Surface Element Contents of ZIF-8(a).

Elt.	Line	Intensity (c/s)	Contents	Units	Error 2-sig	MDL 3-sig	
C	Ka	986.74	35.883	wt.%	.416	.390	
N	Ka	358.74	40.073	wt.%	.870	1.018	
O	Ka	69.51	5.563	wt.%	.356	.687	
Zn	Ka	148.47	18.481	wt.%	.525	.561	
			100.000	wt.%			Total

Table **S2**. Surface Element Contents of ZIF-8(b).

Elt.	Line	Intensity (c/s)	Contents	Units	Error 2-sig	MDL 3-sig	
C	Ka	874.17	34.931	wt.%	.434	.433	
N	Ka	359.02	41.998	wt.%	.919	1.112	
O	Ka	41.05	3.854	wt.%	.354	.802	
Zn	Ka	173.05	19.217	wt.%	.490	.482	
			100.000	wt.%			Tota l

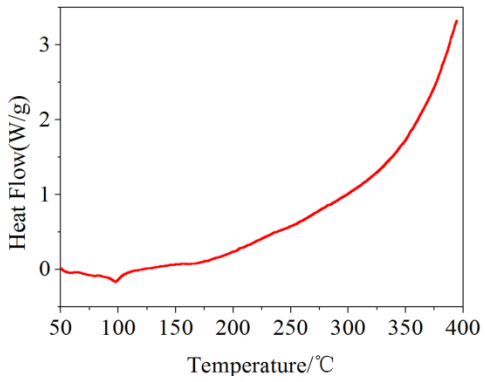

Fig. S1 DSC curve of ZIF-8(a).

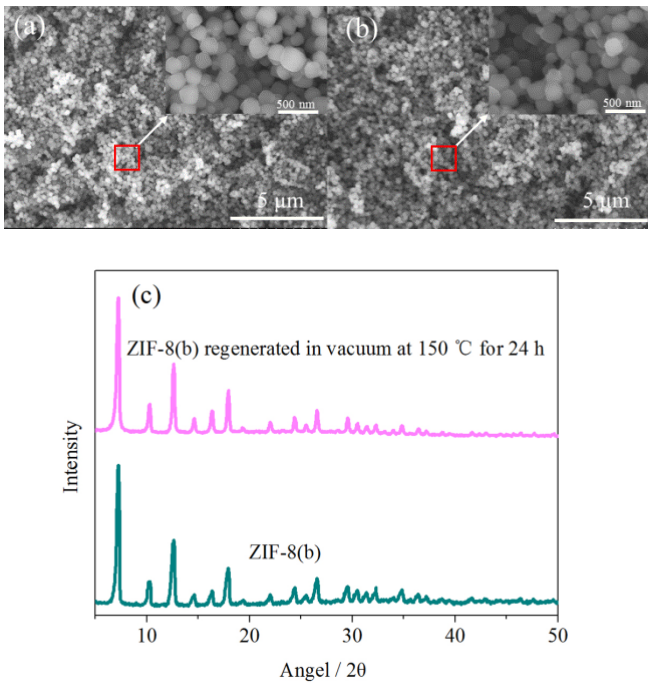

Fig. S2 (a) SEM figure of ZIF-8(b) after regenerated in vacuum at 150 ˚C for 24 h. The upper-right corner figure represents an enlarged view of the red square area. (b) SEM figure of ZIF-8(b). The upper-right corner figure represents an enlarged view of the red square area. (c) XRD figures of ZIF-8(b) after regenerated in vacuum at 150 ˚C for 24 h and before adsorption formaldehyde.