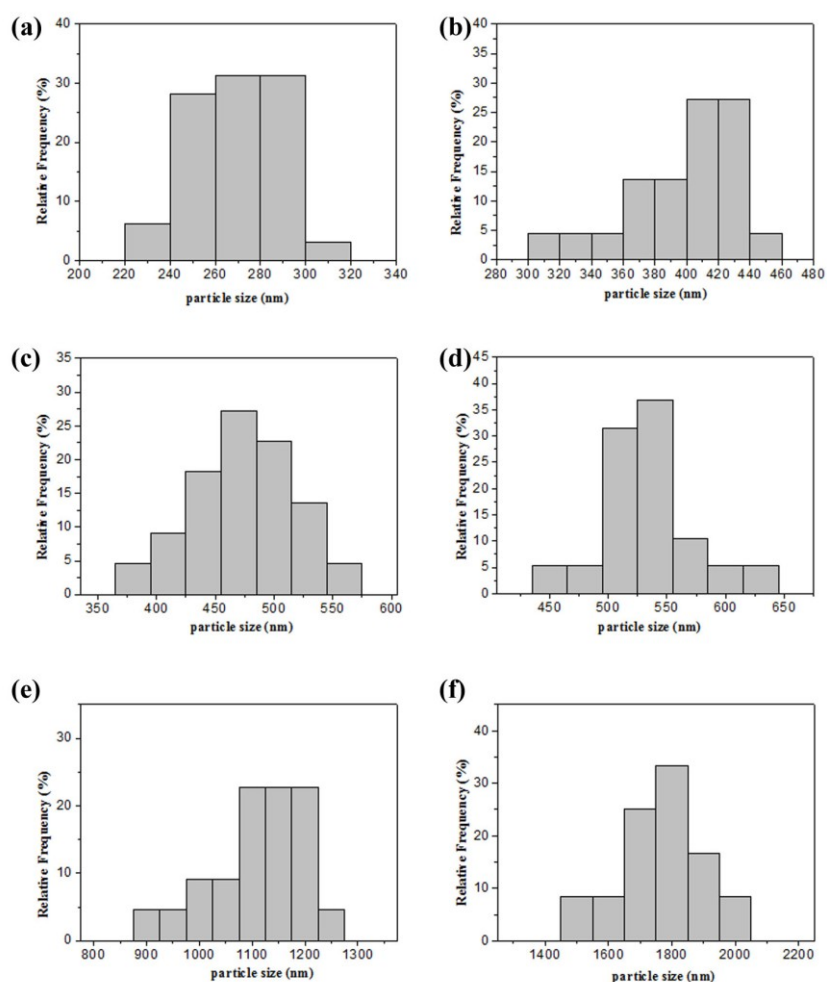


## Electronic Supplementary Information (ESI)

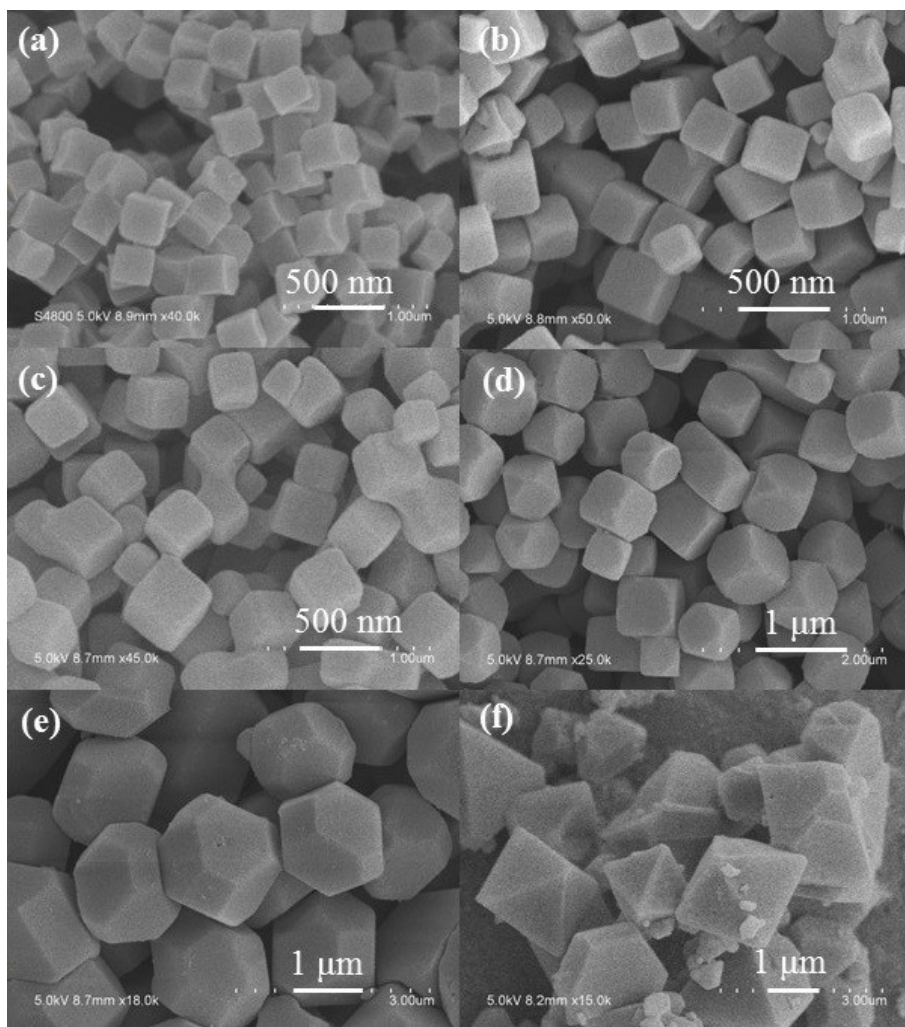
### Metal ion induced porous HKUST-1 nano/microcrystals with controllable morphology and size

Qing Liu, Ji-Min Yang, Li-Na Jin, Wei-Yin Sun\*

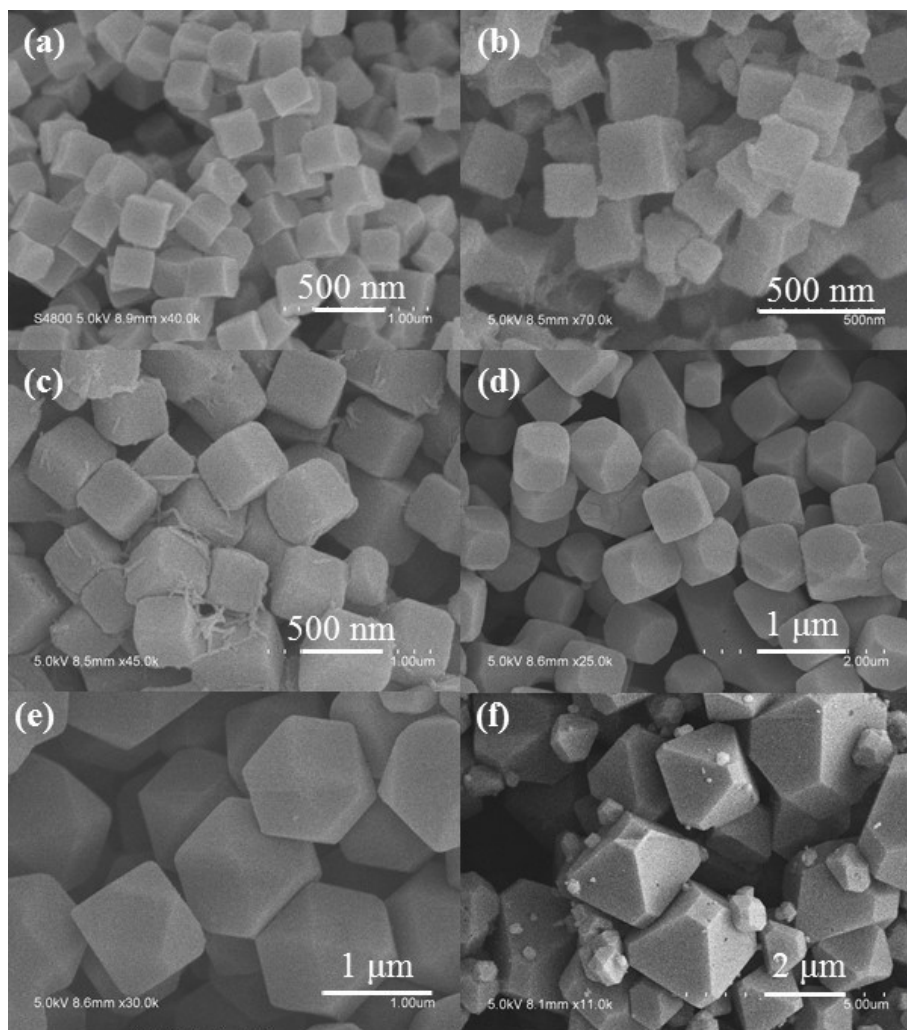
*Coordination Chemistry Institute, State Key Laboratory of Coordination Chemistry, School of Chemistry and Chemical Engineering, Nanjing National Laboratory of Microstructures, Collaborative Innovation Center of Advanced Microstructures, Nanjing University, Nanjing 210023, China. E-mail: sunwy@nju.edu.cn; Fax: +86 25 89682309*



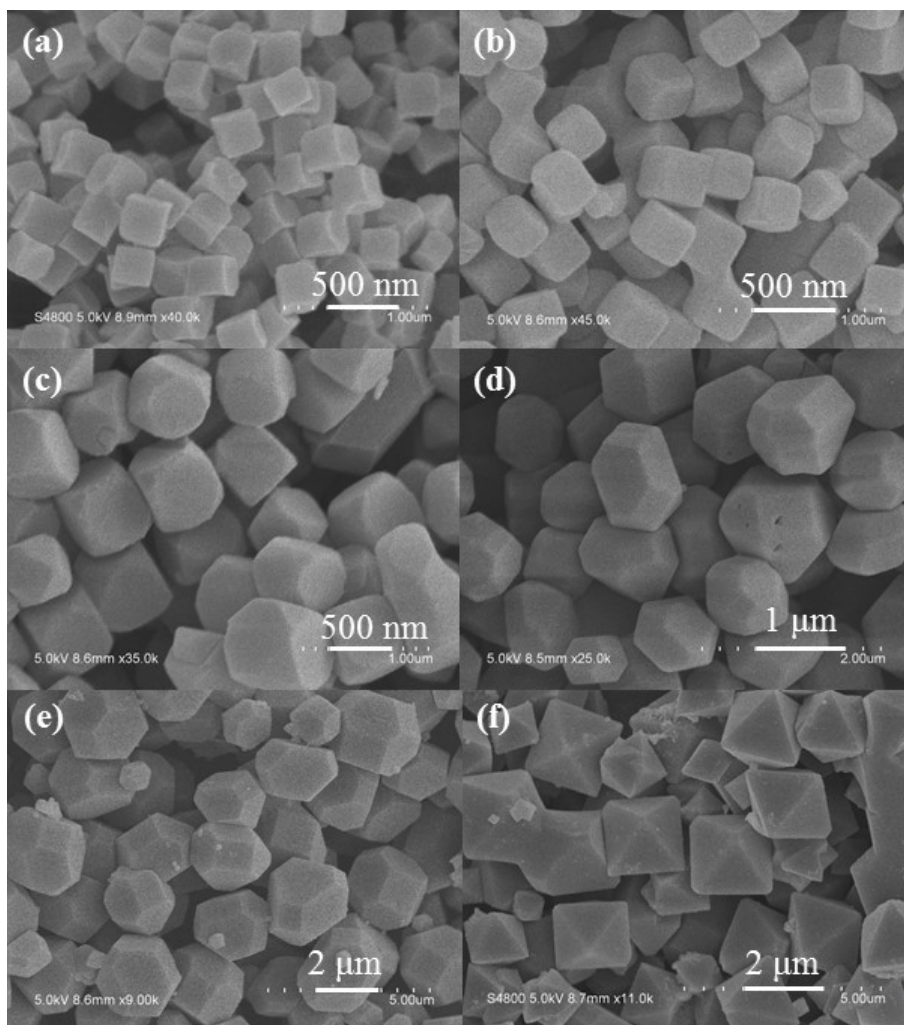
**Fig. S1** Particle size distribution curve of HKUST-1 samples prepared with different concentrations of NaNO<sub>3</sub>: (a) 0; (b) 0.01; (c) 0.05; (d) 0.1; (e) 0.2 and (f) 0.5 M.



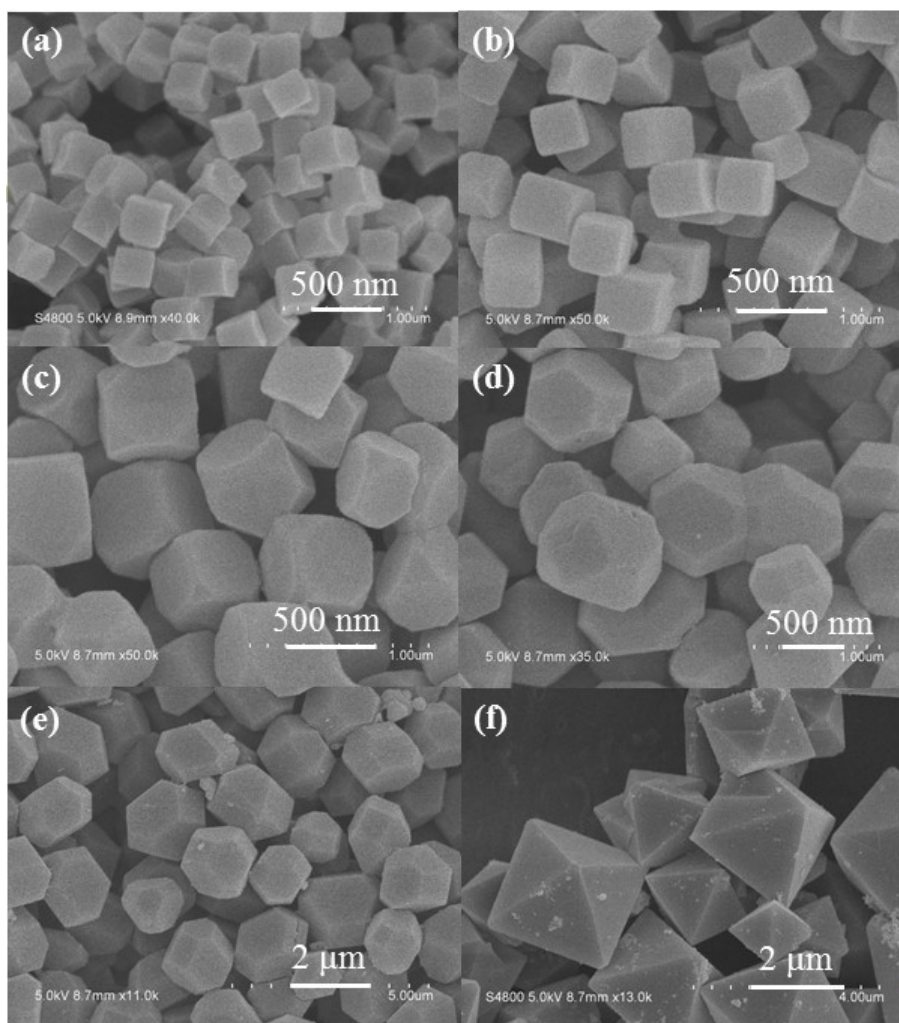
**Fig. S2** SEM images of HKUST-1 samples prepared with different concentrations of NaCl: (a) 0; (b) 0.01; (c) 0.05; (d) 0.1; (e) 0.2 and (f) 0.5 M.



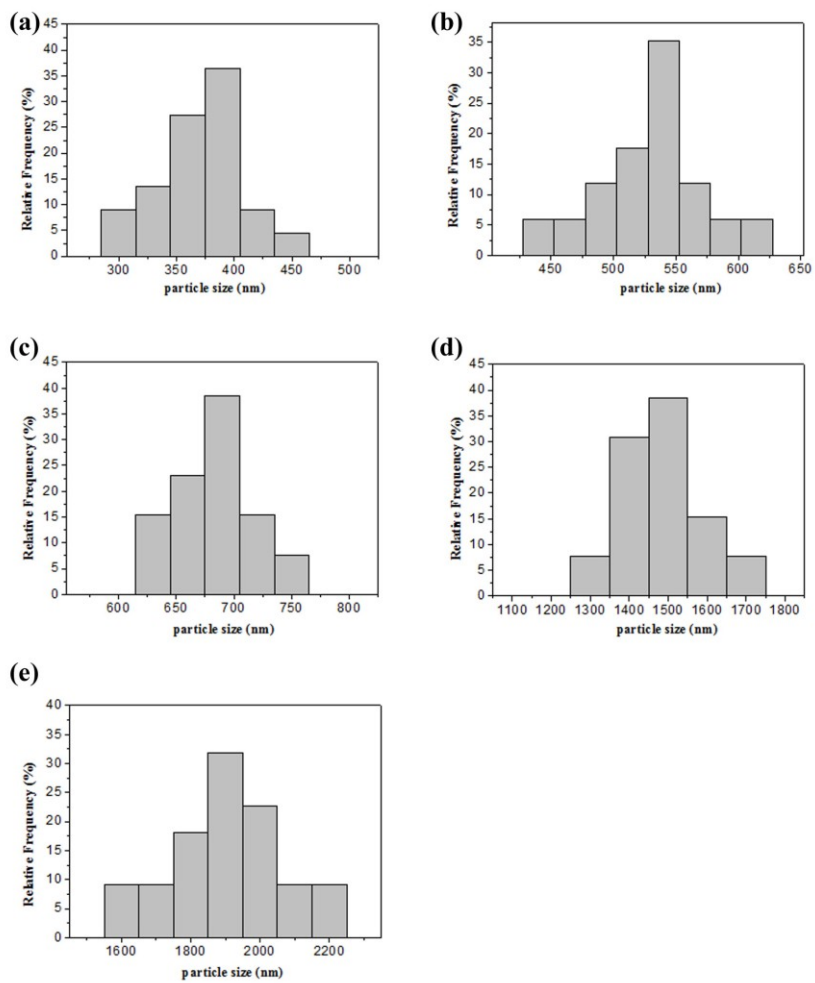
**Fig. S3** SEM images of HKUST-1 samples prepared with different concentrations of NaBr: (a) 0; (b) 0.01; (c) 0.05; (d) 0.1; (e) 0.2 and (f) 0.5 M.



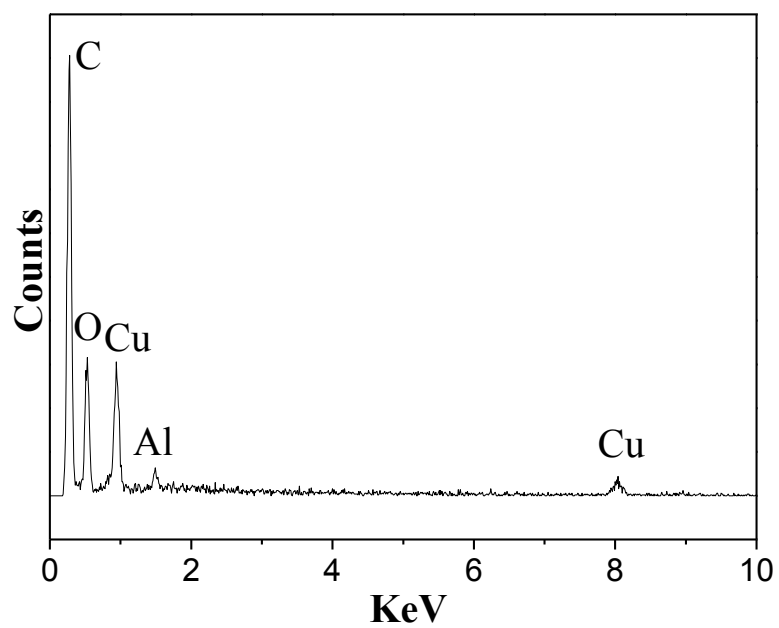
**Fig. S4** SEM images of HKUST-1 samples prepared with different concentrations of KCl: (a) 0; (b) 0.01; (c) 0.05; (d) 0.1; (e) 0.2 and (f) 0.5 M.



**Fig. S5** SEM images of HKUST-1 samples prepared with different concentrations of KBr: (a) 0; (b) 0.01; (c) 0.05; (d) 0.1; (e) 0.2 and (f) 0.5 M.



**Fig. S6** Particle size distribution curve of HKUST-1 samples prepared with different concentrations of  $\text{KNO}_3$ : (a) 0.01; (b) 0.05; (c) 0.1; (d) 0.2; and (e) 0.5 M.



**Fig. S7** EDS spectrum of the as-obtained HKUST-1 prepared with  $\text{NaNO}_3$ .