Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supplementary Information

Systematic study on preparation of copper nanoparticle embedded porous carbon by carbonization of metal-organic framework for enzymatic glucose sensor

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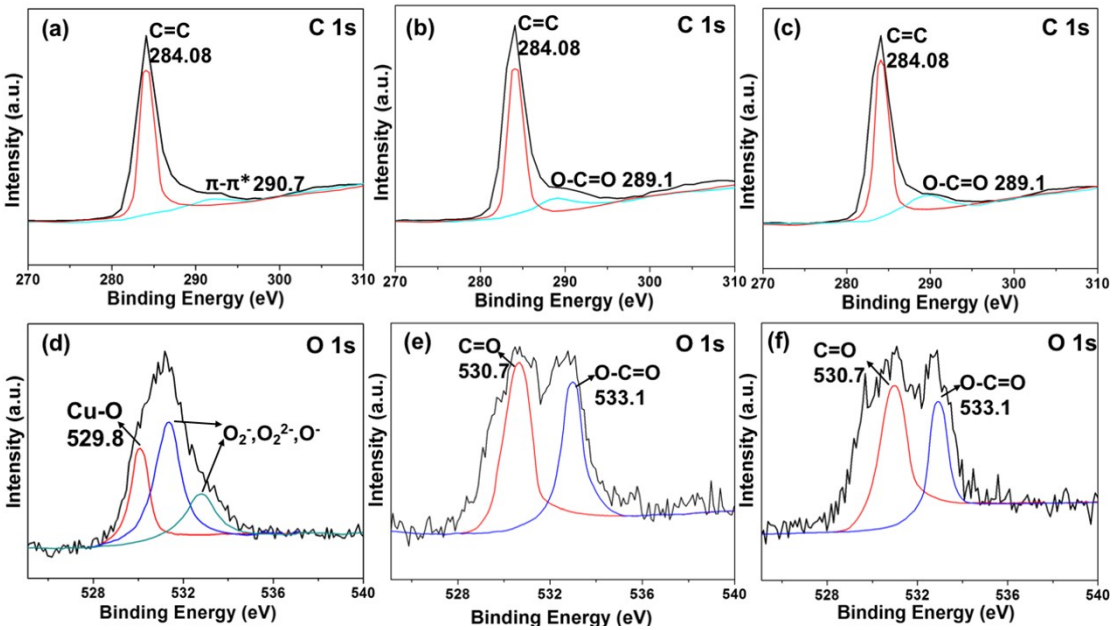

Fig. S1 High resolution XPS spectra of C 1s for: (a) Cu@C-700, (b) Cu@C-500, and (c) Cu@C-400, and high resolution XPS spectra of O 1s for: (d) Cu@C-700, (e) Cu@C-500, and (f) Cu@C-400.

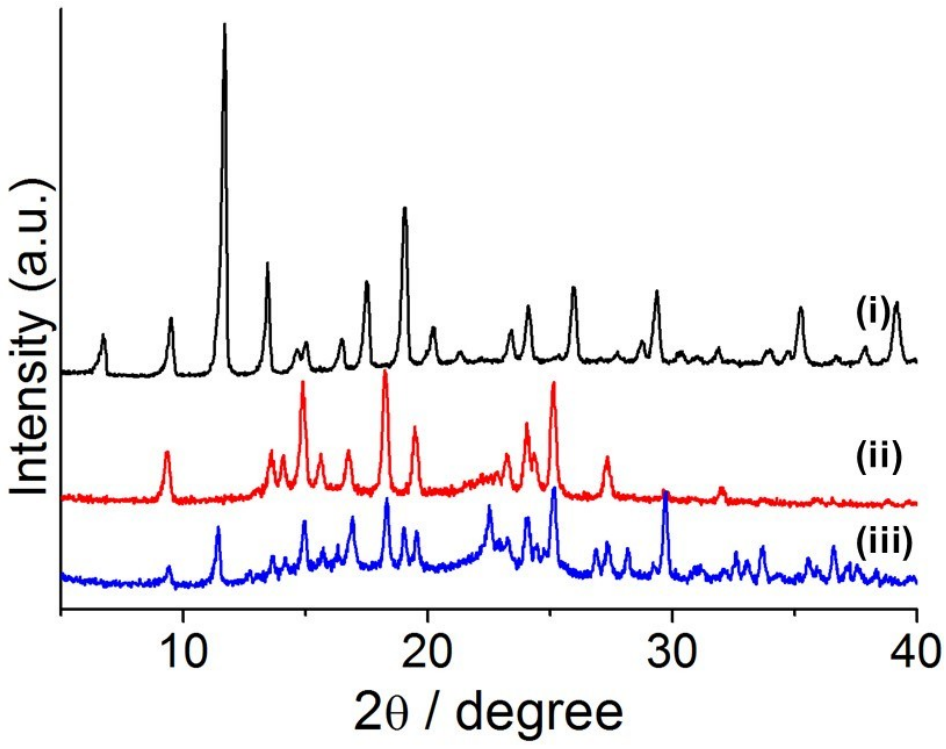

Fig. S2 PXRD profiles of (i) HKUST-1, (ii) TMB, (iii) HKUST-1 recovered from TMB based H_2O_2 sensing experiment.

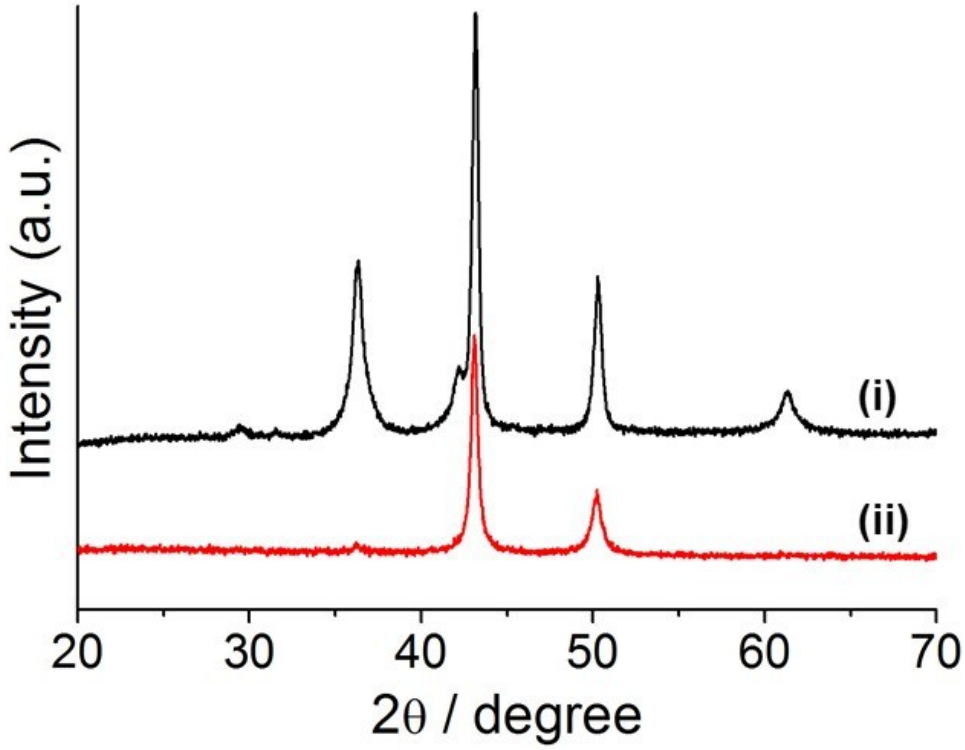

Fig. S3 PXRD profiles of (i) Cu@C-500 recovered from the second cycle of glucose sensing assay, (ii) pristine Cu@C-500.

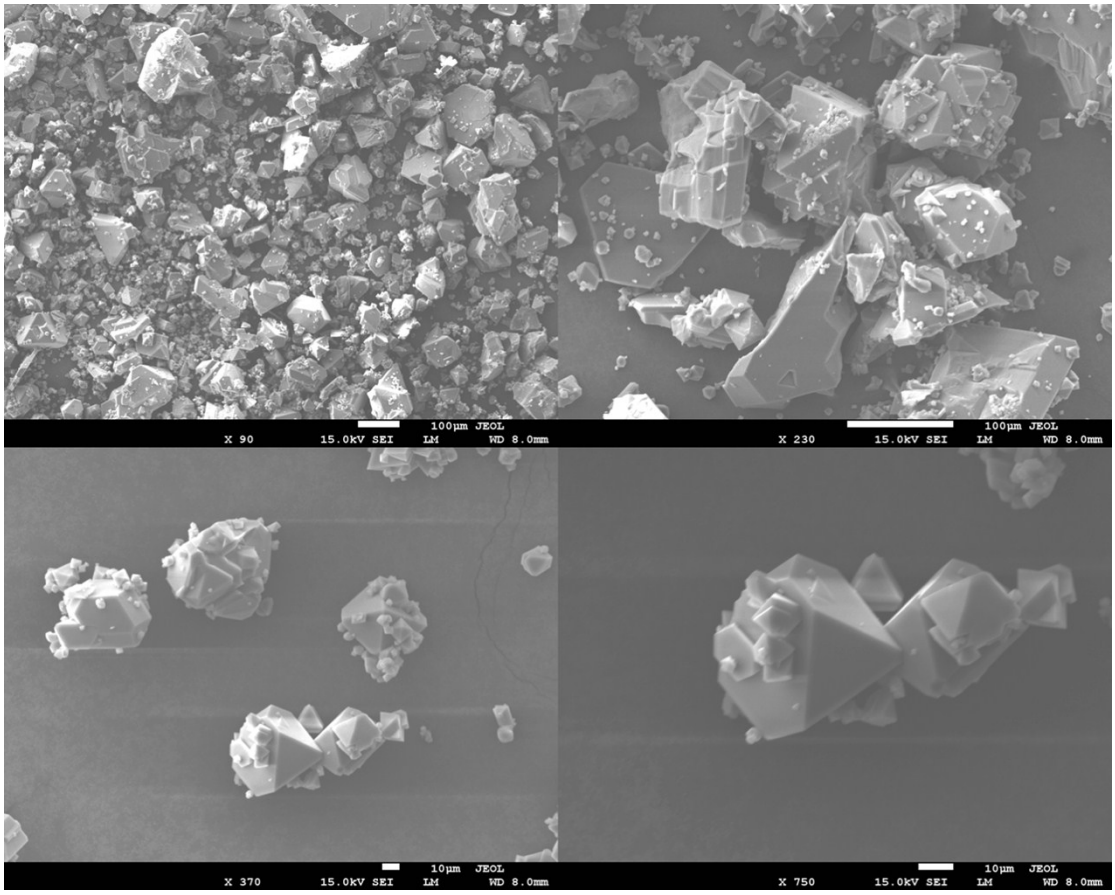

Fig. S4. SEM images of pristine HKUST-1