

Figure S1. N₂ sorption isotherms at 77 K of (a) Cu-BDC-NH₂ and (b) Cu-BDC-NH₂-C4 samples, insets were the pore size distributions.

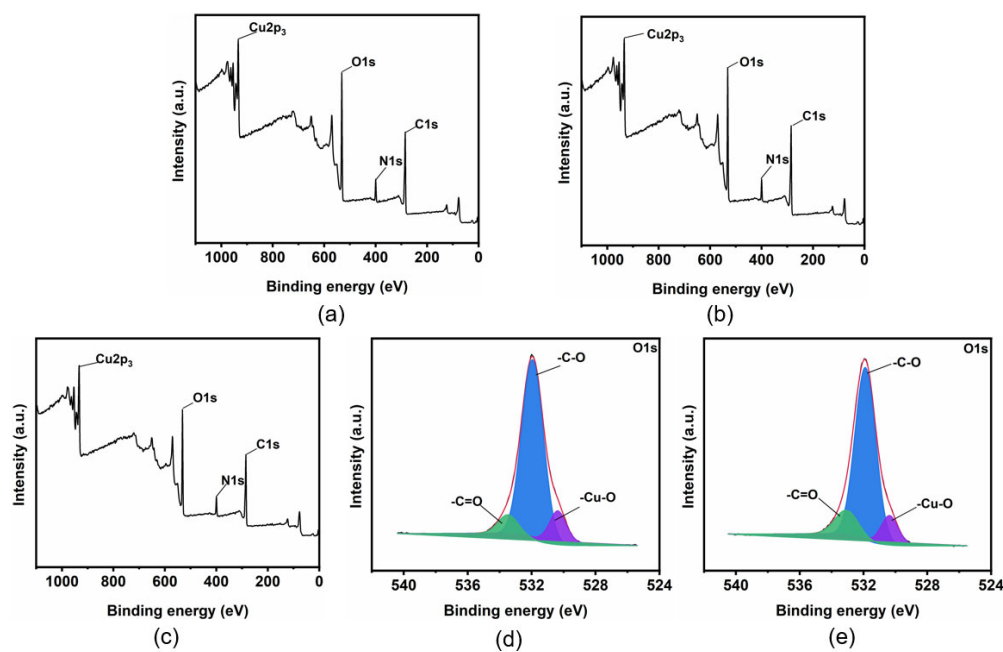


Figure S2. XPS full-survey scan of (a) pCu-BDC-NH₂, (b) Cu-BDC-NH₂ and (c) Cu-BDC-NH₂-C4, high-resolution XPS spectrum of the O1s orbital of (d) Cu-BDC-NH₂ and (e) Cu-BDC-NH₂-C4

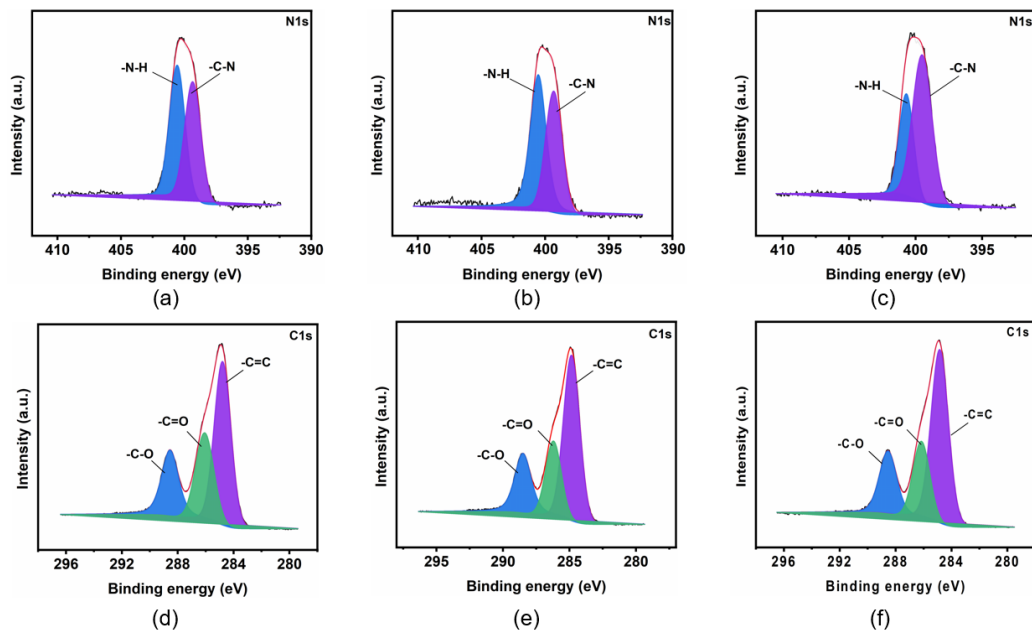


Figure S3. High-resolution XPS response of N1s of (a)Cu-BDC-NH₂, (b)pCu-BDC-NH₂, and (c) Cu-BDC-NH₂-C4, and the response of C1s of (d) Cu-BDC-NH₂, (e) pCu-BDC-NH₂, and (f) Cu-BDC-NH₂-C4.