Supporting Materials

Mechanistic and Experimental Study of the Cu_xO@C Nanocomposite derived from $Cu_3(BTC)_2$ for SO_2 Removal

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Figure S1: SEM image of $Cu_3(BTC)_2$ precursors.

Figure S2: SEM image of CuO-NC.

Figure S3: A schematic flow chart of dynamic adsorption desulfurization system.

Table. S1: Porosity characteristics of nano-CuOs.

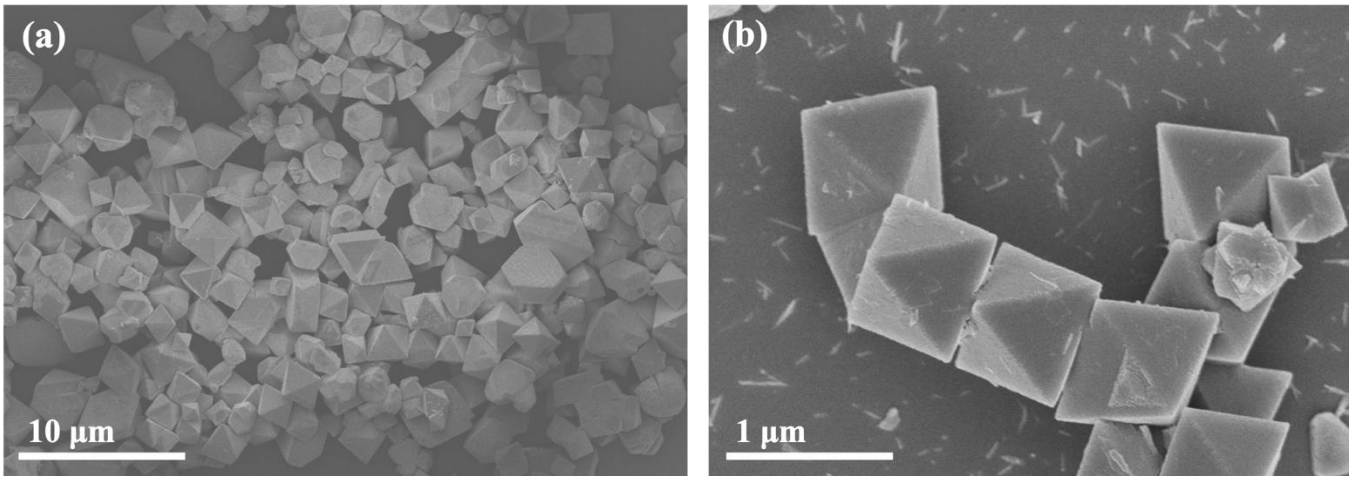

Figure S1: SEM image of $Cu_3(BTC)_2$ precursors.

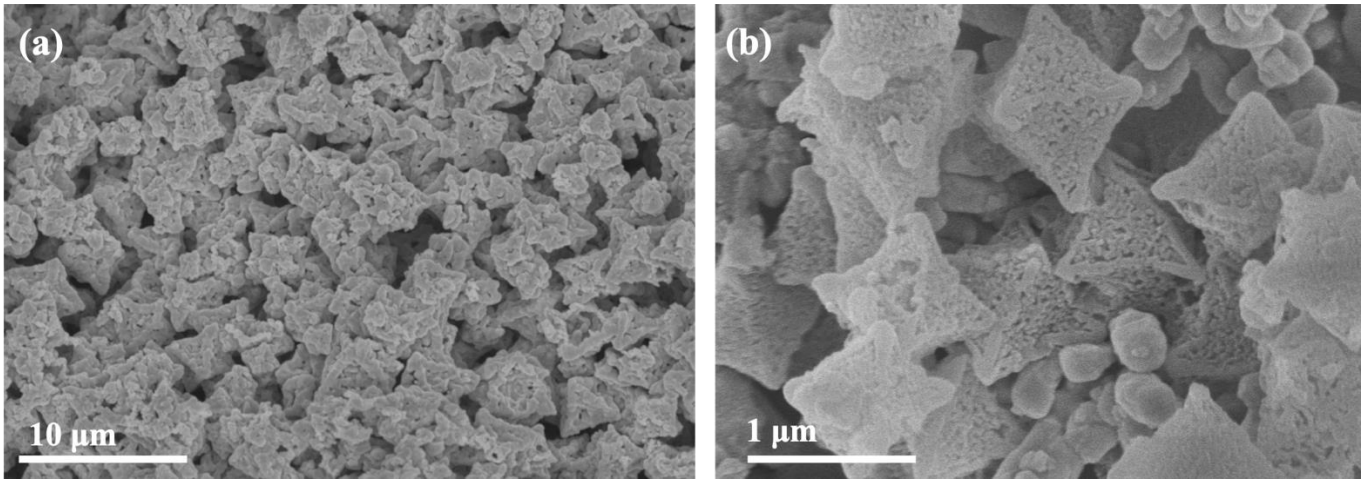

Figure S2: SEM image of CuO-NC.

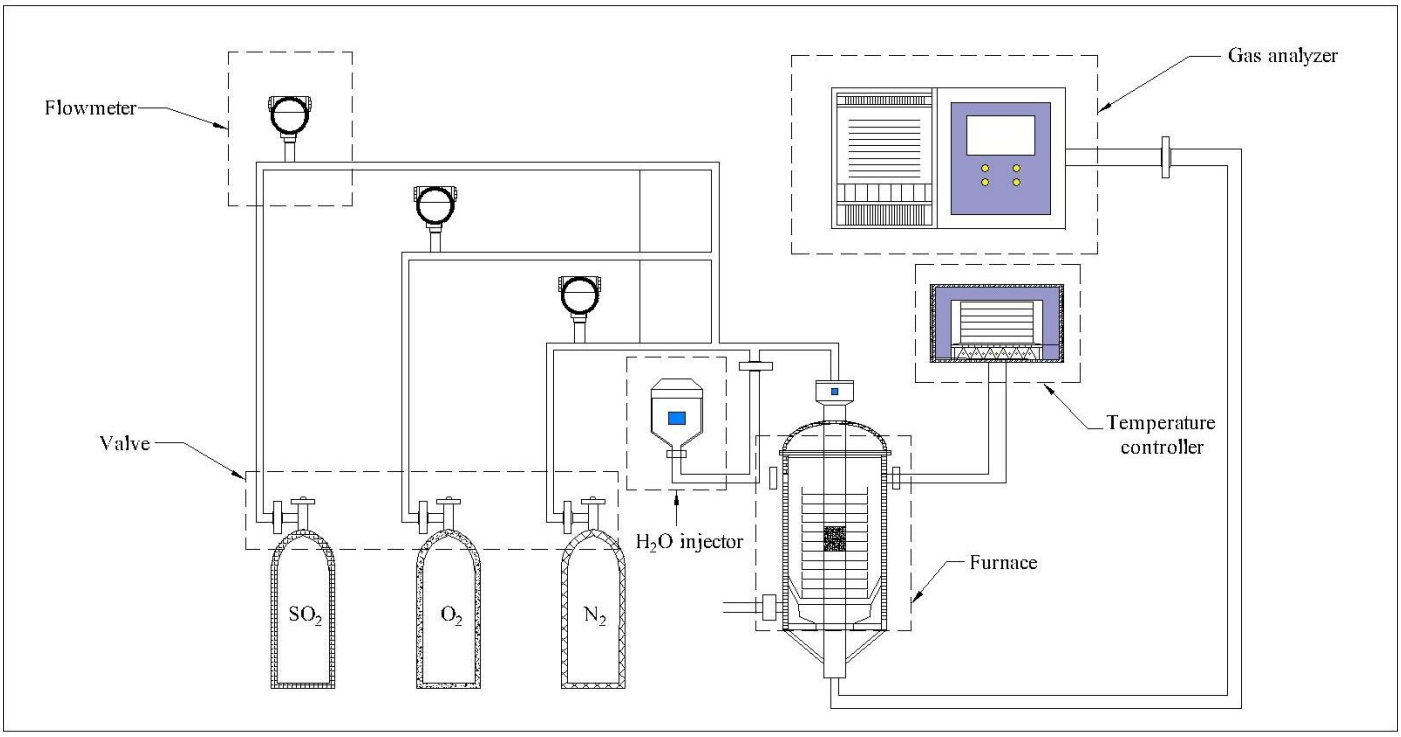

Figure S3: A schematic flow chart of dynamic adsorption desulfurization system.

Table S1: Porosity characteristics of nano-CuOs.

Samples ID	[a]S_{BET} /m^2 g^{-1}	[b]V_{tot} /cm^3 g^{-1}	[c]V_{meso} /cm^3 g^{-1}	[d]V_{micro} /cm^3 g^{-1}
CuO-NC	89.837	0.256	0.160	0.096
CuO-NP	1.502	0.00110	0.000998	0.000097

[a]S_{BET}= BET surface area [b]V_{tot}= Total pore volume

[c]V_{meso}= Mesopores volume [d]V_{micro}= Micropore volume