Supporting Information

Fig. S1 Current-time graph during the synthesis of sample E-0.5V
Fig. S2 Cu-BTC MOF crystal formation in the interior of the hollow fiber. SEM images of the cross-section of the Cu-BTC coated Cu HFs. Red circles indicate octahedral Cu-BTC MOF crystals.
Fig. S3 SEM images of the inner surface of Cu-BTC-coated Cu HFs: E-0.5, E-1, E-2, E-5.
Fig. S4  Gaussian distribution of particle size of sample E-0.5 with least squares fit, along with larger aggregates. Mean particle size ($\bar{X}$) and the spread ($\bar{\sigma}$) values are shown in the graph.