Supporting Information

Two-dimensional porous cuprous oxide nanoplatelets derived from metal-organic frameworks (MOFs) for efficient photocatalytic dye degradation under visible light

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**Fig. S1** SEM image of the Cu-based MOFs synthesized without PVP.
Fig. S2 XRD comparison of products synthesized with and without PVP addition.
Fig. S3 Schematic for channels constructed by crossweaved chains along [001] direction. The hydrogen atoms and coordinated nitrate ions are omitted for clarity.
Fig. S4 a) SEM image of a nanoplatelet and corresponding EDS elemental mapping of carbon b), copper c) and nitrogen d). e) spectrum of the N-doped Cu$_2$O/carbon nanoplatelets.
Fig. S5  a) XRD comparison of N-doped Cu$_2$O/carbon composite before and after photodegradation. A few small peaks observed in the region of 20 to 30 degree could be assigned to the residual MO molecules. b) SEM image of nanoplatelets recovered after photodegradation.