Electronic Supplementary Information for

Highly dispersed palladium nanoparticles anchored on UiO-66(NH₂) metal-organic framework as a reusable and dual functional visible-light-driven photocatalyst

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Fig. S1 XRD patterns of Pd@UiO-66(NH₂) before and after the photocatalytic reduction of Cr(VI) reaction.

Fig. S2 XPS patterns of Pd@UiO-66(NH₂) before and after the photocatalytic reduction of Cr(VI) reaction.
Fig. S3 BET adsorption-desorption isotherms of UiO-66(NH₂) (a) and Pd@UiO-66(NH₂) (b); inset is the corresponding pore size distribution.
Fig. S4 Mott-Schottky plot of UiO-66(NH$_2$) in 0.2 M Na$_2$SO$_4$ aqueous solution (pH = 6.8).

Fig. S5 A schematic drawing of the structure of UiO-66(NH$_2$) based on the structure of UiO-66. Zirconium-oxygen clusters (green part); N of the free amino groups (blue dots).