Supporting Information

Synthesis and Photocatalytic Properties of CuO-CuS Core-Shell Nanowires

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S1 BET surface area

Figure S1. shows the Nitrogen adsorption-desorption isotherms and pore size distribution. Also, Table 1 reveals the three parameters in the measurements by BET and BJH.

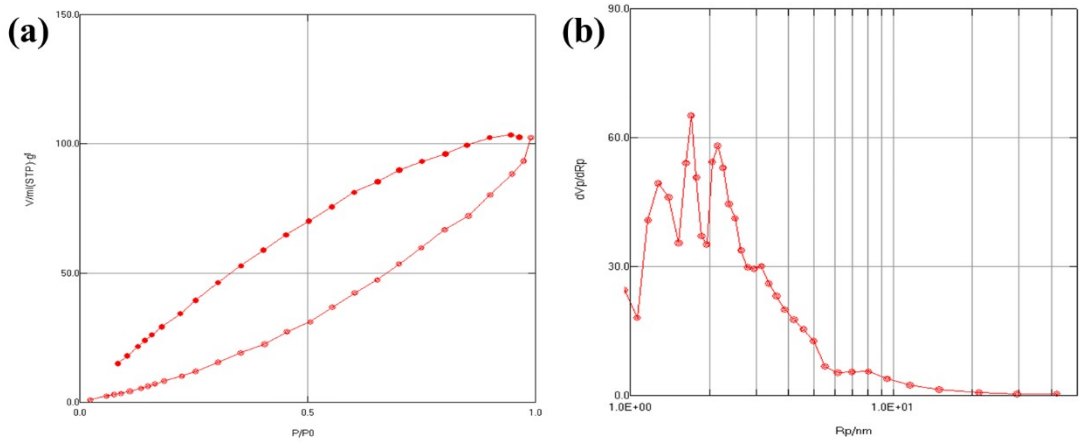

Figure S1. (a) Nitrogen adsorption-desorption isotherms and (b) corresponding pore size distribution curve of the CuO-CuS nanowires.

Table 1. BET surface area and pore size of the CuO-CuS nanowires.

Samples	Surface Area (m^2/g)	Pore Size (nm)	Pore Volume (cm^3/g)
CuO-CuS	135.24	1.7	186.23

S2. Photocatalytic decomposition of methylene blue by CuO-CuS nanowires.

The CuO-CuS nanowires decomposed the MB under visible light four times as shown in Figure S2.

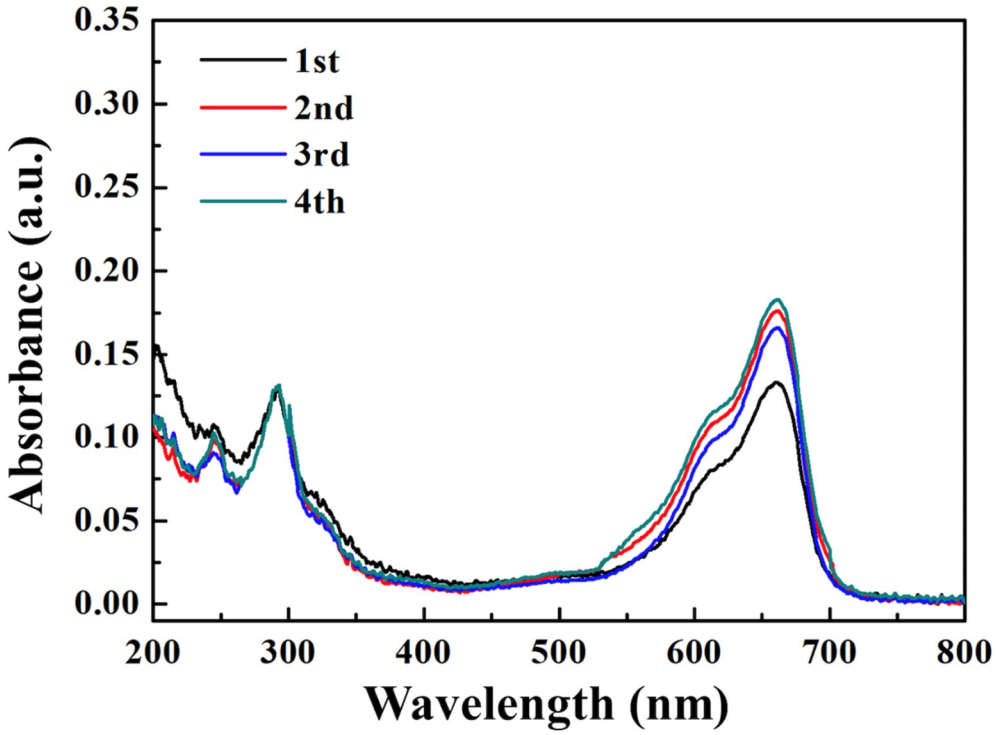

Figure S2. UV-Vis absorbance spectra for cycling degradation of MB aqueous solutions by CuO-CuS nanowires.