**Supplementary Materials**

In-situ preparation of Z-scheme MoO3/g-C3N4 composite with high performance in photocatalytic CO2 reduction and RhB degradation

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**FIG. S1** Schematic diagram of the photocatalytic CO2 conversion setup: (1) reactor, (2) pressure guage, (3) quartz glass, (4) heating tape, (5) thermocouple, (6) support.

**a**

**b**



**FIG. S2** N2 adsorption/desorption isotherms (a) and pore size distribution (b) of g-C3N4 and 3wt.% MoO3/g-C3N4 composite