

Supporting Information

2D/2D Z-scheme WO₃/g-C₃N₄ heterojunctions for photocatalytic organic pollutant degradation and nitrogen fixation

Yasi Li^a and Junkai Wang^{*b}

- a. Department of Mechanical Engineering, College of Engineering, Shantou University, Shantou 515063, China.
- b. College of Chemistry and Chemical Engineering, Shantou University, Shantou 515063, China.

*Corresponding author:

Junkai Wang (*jkwang@stu.edu.cn*)

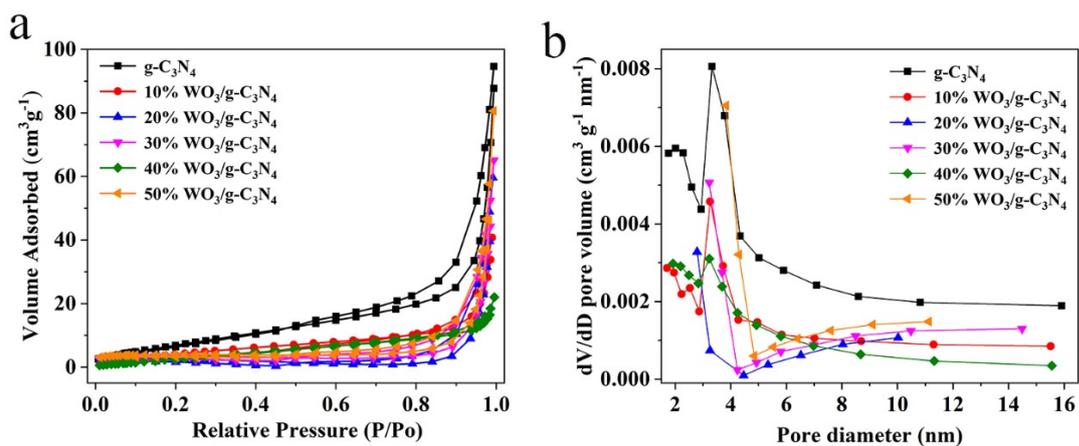


Fig. S1 (a) N_2 adsorption-desorption isotherms and (b) the corresponding pore size distribution curves of $g-C_3N_4$ and $WO_3/g-C_3N_4$ composites.

Table S1 Specific surface area, pore volume and Zeta potential of $g-C_3N_4$ and $WO_3/g-C_3N_4$ composites.

Sample	Specific surface area ($m^2 g^{-1}$)	Pore volume ($cm^3 g^{-1}$)	Zeta potential (mV)
$g-C_3N_4$	30.44	0.49	-21.6
10% $WO_3/g-C_3N_4$	18.48	0.22	-19.6
20% $WO_3/g-C_3N_4$	11.88	0.04	-23.0
30% $WO_3/g-C_3N_4$	13.69	0.15	-23.8
40% $WO_3/g-C_3N_4$	14.87	0.12	-31.9
50% $WO_3/g-C_3N_4$	14.90	0.08	-29.8