

Supplementary Information

Experiments and DFT investigation of microwave-assisted sol-gel method prepared S-doped g-C₃N₄ for enhanced photocatalytic degradation of gaseous toluene

Anming Li¹, Xinhang Cong¹, Haotong Qin¹, Weichao Xu¹, Xuehan Zhang¹, Wenzhuang Wang¹, Feng Guo*¹

¹School of Ocean Science and Technology, Dalian University of Technology, Panjin 124221, China

Table of Contents:

Fig. S1. The schematic of the experimental system for toluene photo-degradation.

Table S1. The C/N molar ratio of g-C₃N₄ and CN-S(1)

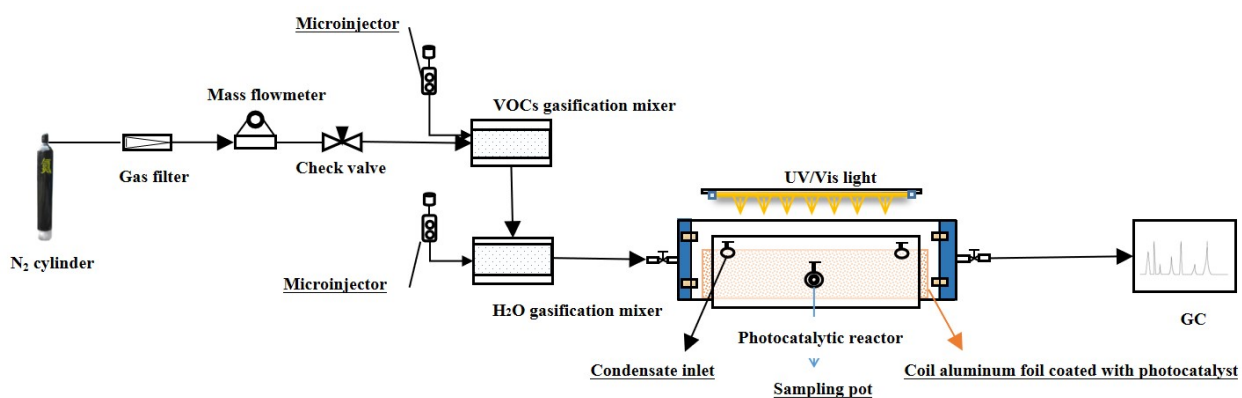


Figure S1. The schematic of the experimental system for toluene photo-degradation.

Table S1. The C/N molar ratio of g-C₃N₄ and CN-S(1)

	SP ² heterocarbon	SP ³ heterocarbon	SP ² hybrid carbon /SP ³ hybrid carbon	C %	N %	C/N molar ratio
g-C ₃ N ₄	65285.2	42670.9	2.24	42.5	55.78	0.78
CN-S(1)	86016.0	38406.2	1.5	42.8	54.37	0.81