

Supporting information for

**Symbiotic composite composed of MoS₂ and pelagic clay with
enhanced disinfection efficiency**

Qiwei Sun, Yuhua Liu, Zhipeng liu, Guoqing Huang, Shisheng Yuan, Guohua Yang, Kaiwen Wang,

Peiping Zhang* and Nan Li*

Key Laboratory of Automobile Materials, Ministry of Education, College of Materials Science and
Engineering, Jilin University, 2699 Qianjin Street, Changchun 130012, P. R. China

* corresponding authors

Peiping Zhang zhangpp@jlu.edu.cn

Nan Li lin@jlu.edu.cn

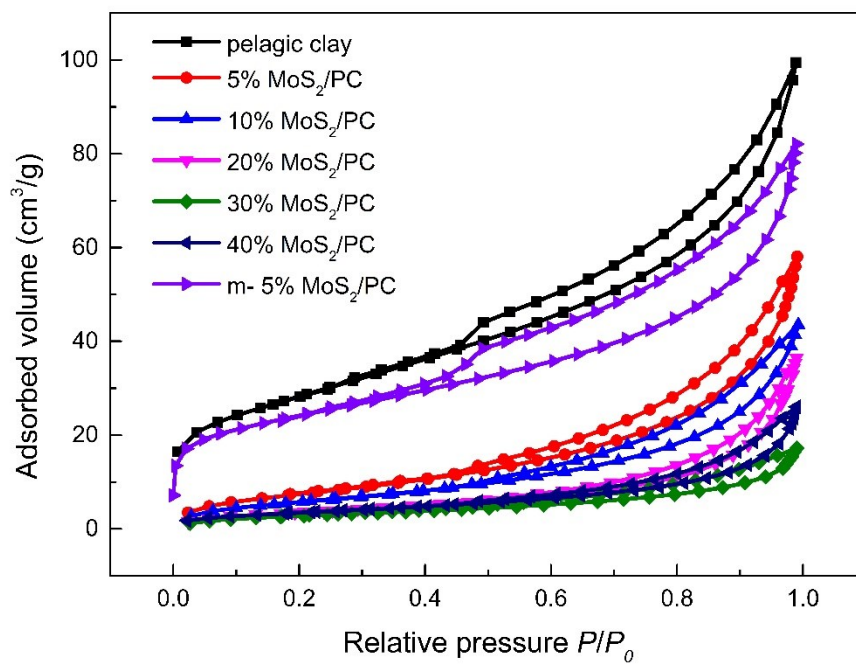


Fig. S1 N₂ adsorption/desorption isotherm curves of pelagic clay, 5% MoS₂/PC, 10% MoS₂/PC, 20% MoS₂/PC, 30% MoS₂/PC, 40% MoS₂/PC and m- 5% MoS₂/PC.

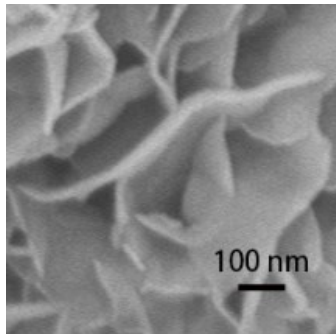


Fig. S2 SEM image of bulk MoS₂.