**Supporting Information**

for

**Adsorption of atrazine and paraquat on montmorillonite loaded with layered double hydroxide and active sites energy distribution analysis**

*Rui Liu* *a，b\*, Chao Maa, Huanliang Chena, Changsuo Lia\*, Lei Zuob, Peng Zhangb, Yaqing Wangb, Ru Wangb*

a 801 Institute of Hydrogeology and Engineering Geology, Shandong Provincial Bureau of Geology & Mineral Resources (Shandong Provincial Geo-Mineral Engineering Exploration Institute), Jinan 250014, China

bSchool of Resources and Environmental Engineering, Shandong University of Technology, Zibo 255000, China

**Corresponding author:** Changsuo Li, e-mail: [lics120@163.com](mailto:lics120@163.com), Rui Liu, e-mail: liurui@sdut.edu.cn

Number of pages: 4

Number of Figures: 3

**Supplementary Figures**



Fig. S1 diagram of the desorption and resorption process



Fig.S2 N2 adsorption-desorption isotherms (a) and pore size distribution (b) of Mt, LDHs, 1-LDH@Mt, 3-LDH@Mt and 5-LDH@Mt

Fig.S3 Linear kinetic models for the adsorption of ATZ and PQ on Mt, LDHs, 1-LDH @ Mt, 3-LDH @ Mt and 5-LDH @ Mt.