Electronic Supporting Information for

Promoting the generation of active oxygen over Ag-modified

nanoflower-like α-MnO₂ for soot oxidation: Experimental and

DFT Study

Yuhang Wang^{a,b}, Longzhu Zhang^a, Changsen Zhang^{a,b*}, Xingmin Xu^c, Yunyun

Xiea,b, Wenjun Chena,b, Jie Wanga,b, Ruiqin Zhanga,b

^aCollege of Chemistry, Zhengzhou University, Zhengzhou 450001, Henan, China

^bSchool of Ecology and Environment, Zhengzhou University, Zhengzhou 450001,

Henan, China

^cSchool of Forensic Medicine, Henan University of Technology, Luoyang 471000,

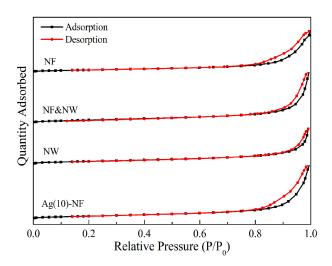
Henan, China

*Corresponding author

Prof. Changsen Zhang

Email: zhangcs@zzu.edu.cn

List of Figure:



 $\textbf{Fig. S1} \; N_2 \; adsorption/desorption \; isotherms \; of NF, NF\&NW, NW \; and \; Ag(10)-NF.$