

Supporting information

Activated carbons modified by magnesium oxide as highly efficient sorbents for acetone

Ke Zhou ^a, Liqing Li ^{a, *}, Xianchen Ma ^a, Yamian Mo ^a, Ruofei Chen ^a, Hailong
Li ^a, Haoyang Li ^b

^a School of Energy Science and Engineering, Central South University, Changsha
410083, Hunan, China

^b School of Materials Science and Engineering, Central South University, Changsha
410083, Hunan, China

* Corresponding author. Tel: +86 13807483619, E-mail address:

liqingli@hotmail.com

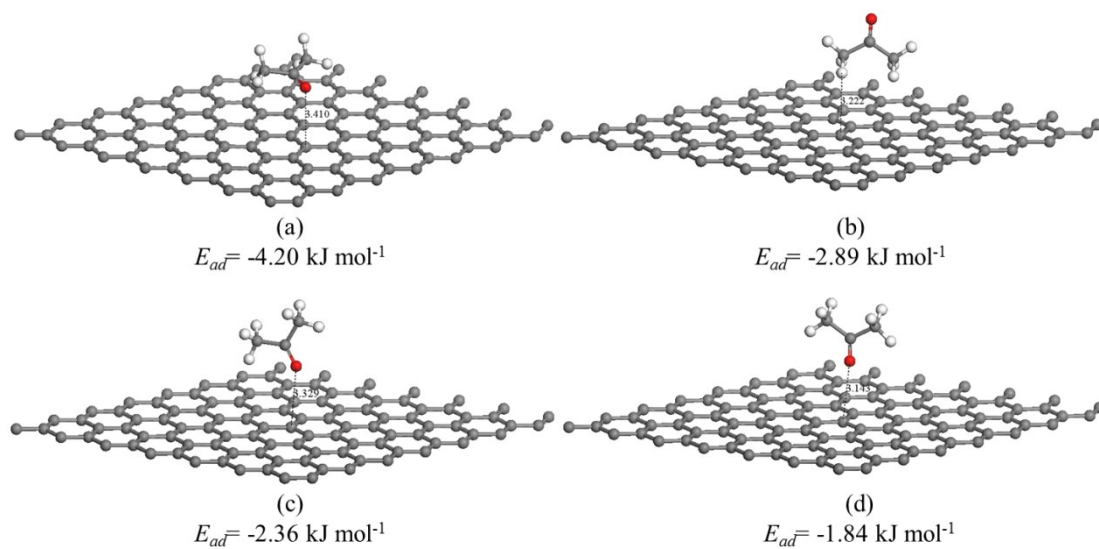


Figure S1. Molecular interaction of acetone with graphene surface.

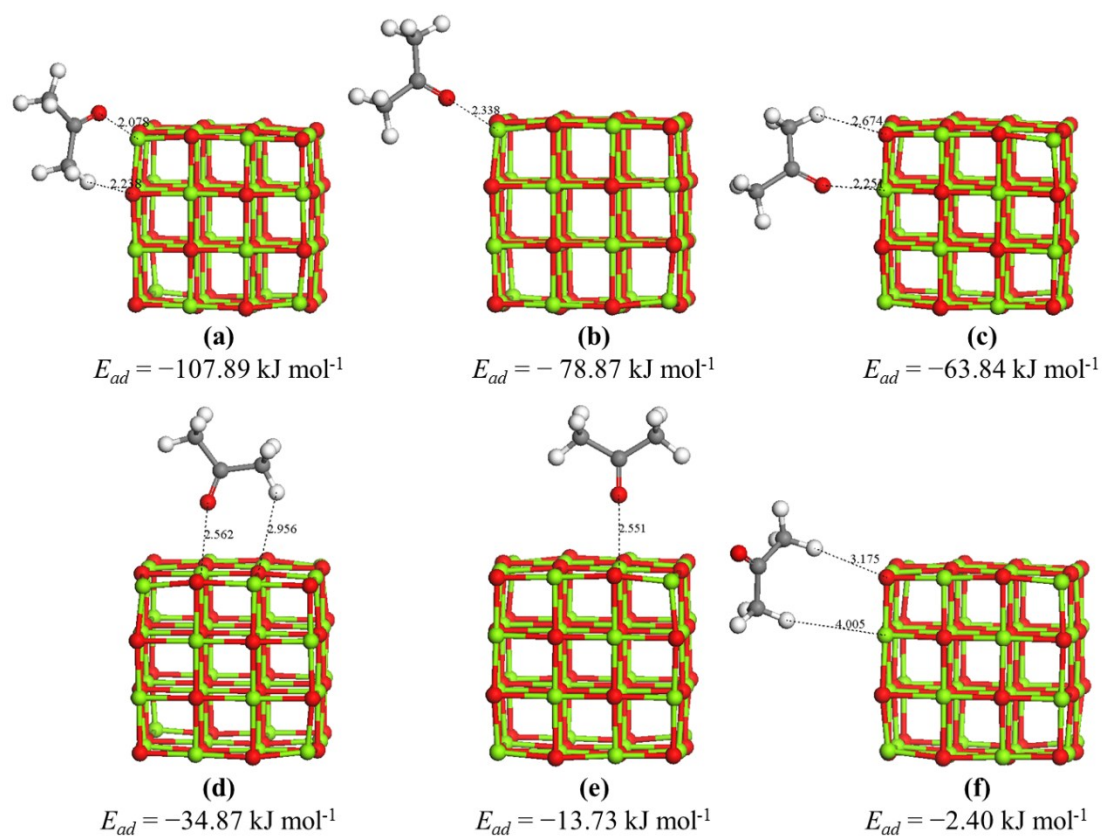


Figure S2. Molecular interaction of acetone with MgO surface.

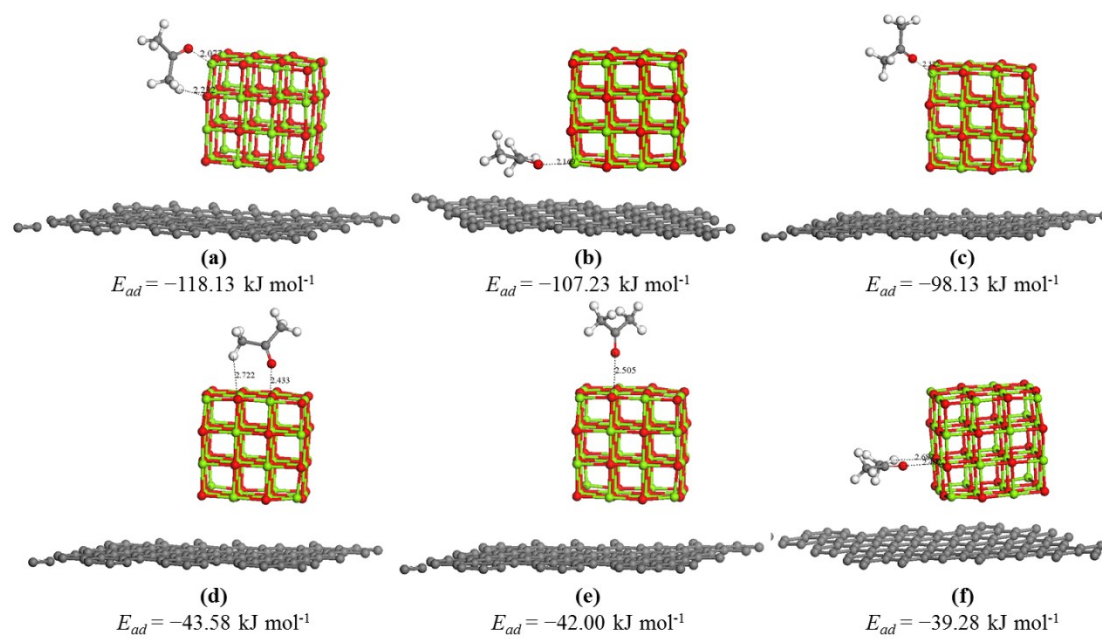


Figure S3. Molecular interaction of acetone with MgO/graphene surface.