

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: This folder includes all lammps structure files of initial and final state for each simulation.

W_CCNT: Simulation with cationic carbon nanotube (CCNT)

e-field: Simulation with electric field with CCNT

Name of each directory represent the strength of electric field

W_CNT: Simulation without quaternary ammonium cation

Supplementary Data 1

1. w_CCNT

1.1 e-field

-10⁶

-10⁷

-10⁸

-10⁹

+10⁶

+10⁷

+10⁸

+10⁹

2. w_CNT