

Supporting Information

Adsorption Characteristics of Sulfonamide Antibiotic Molecules on Carbon Nanotube and the Effects of Environment

Yang Wu, Sha-Sha Liu, Kai-Yue Huang, Qing-Hong Yang, Yan Zheng, Lai-cai Li**

College of Chemistry and Material Science, Sichuan Normal University, Chengdu, 610068, China.

E-mail: zhengyanchem@163.com; lilcmail@163.com

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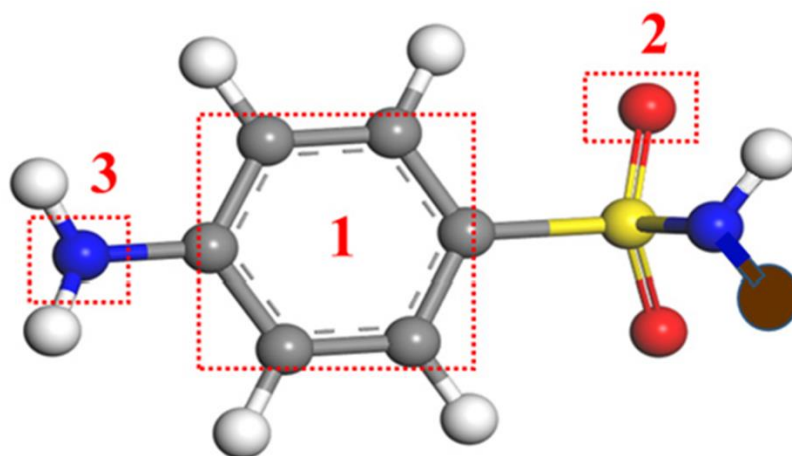
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1. Benzene ring

2. O

3. N

Figure S1 The adsorption site models of drug molecule

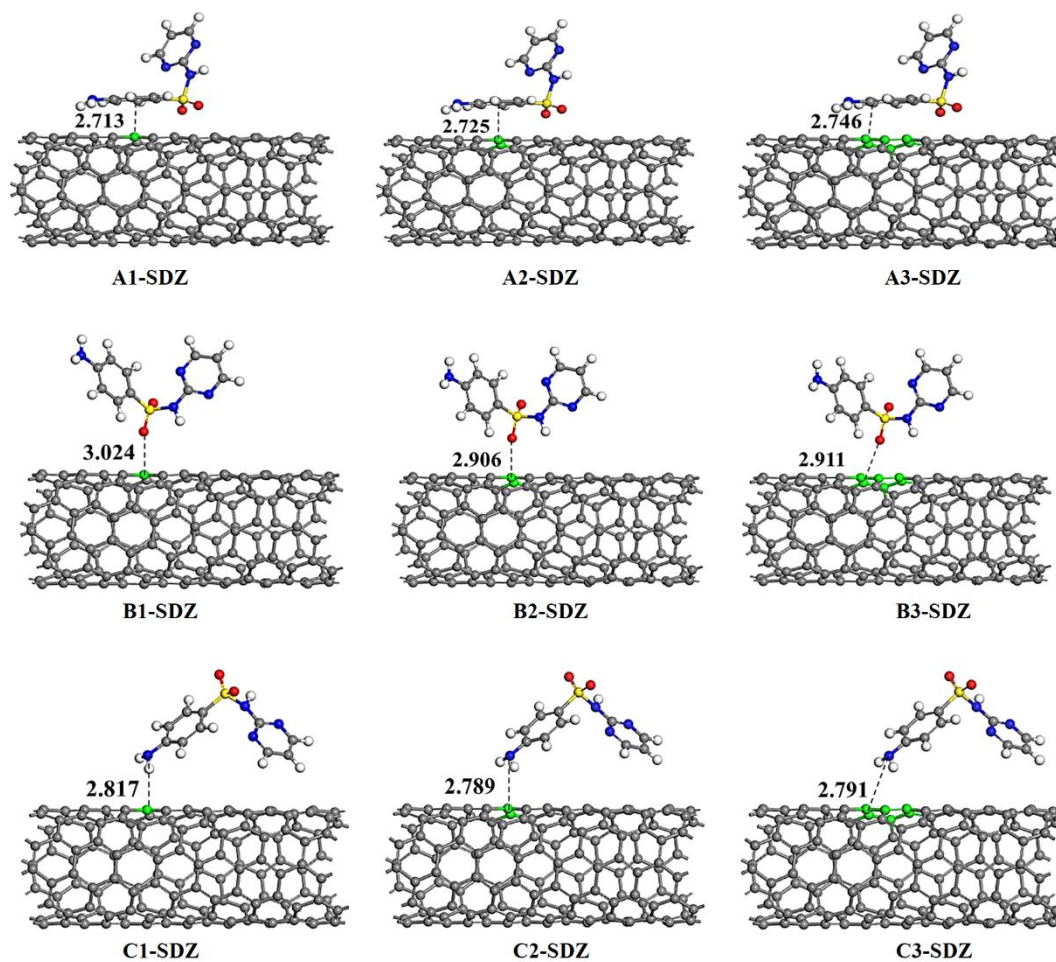


Figure S2 The Stable adsorption configuration of SDZ on carbon nanotubes in vacuum

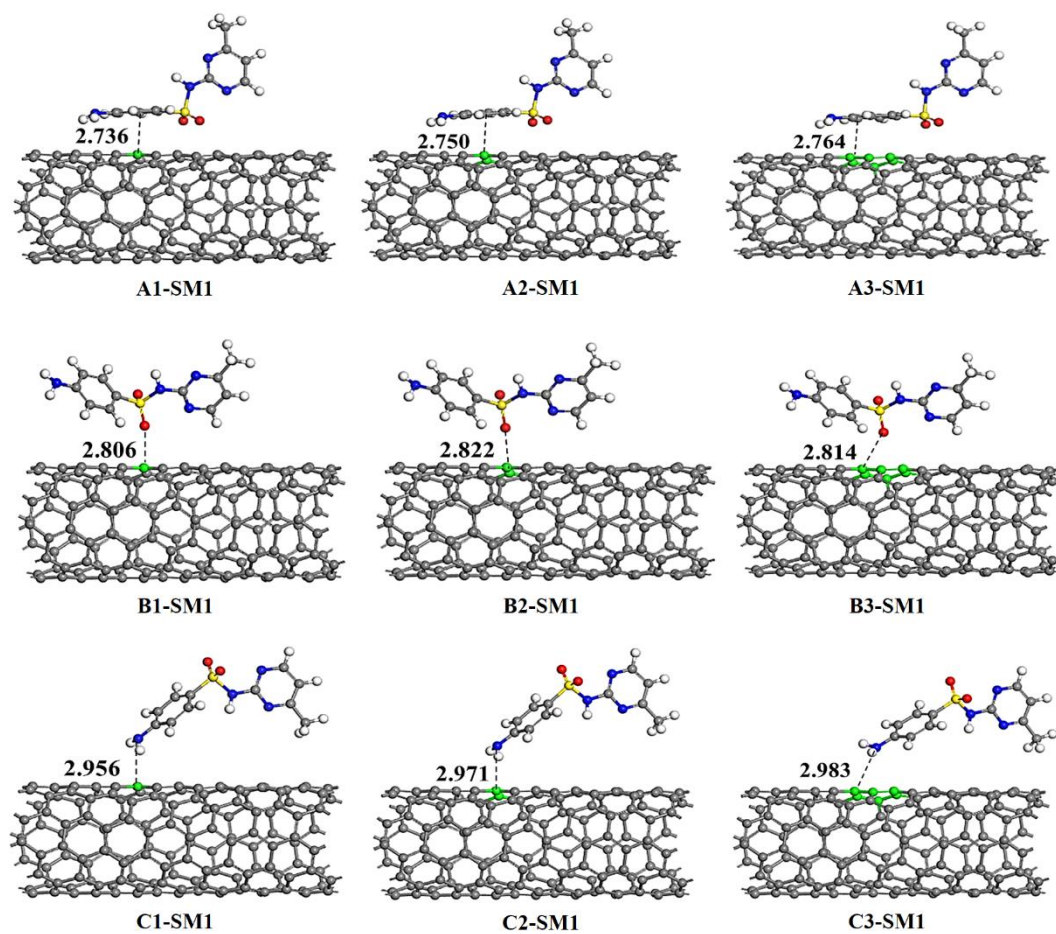


Figure S3 The Stable adsorption configuration of SM1 on carbon nanotubes in vacuum

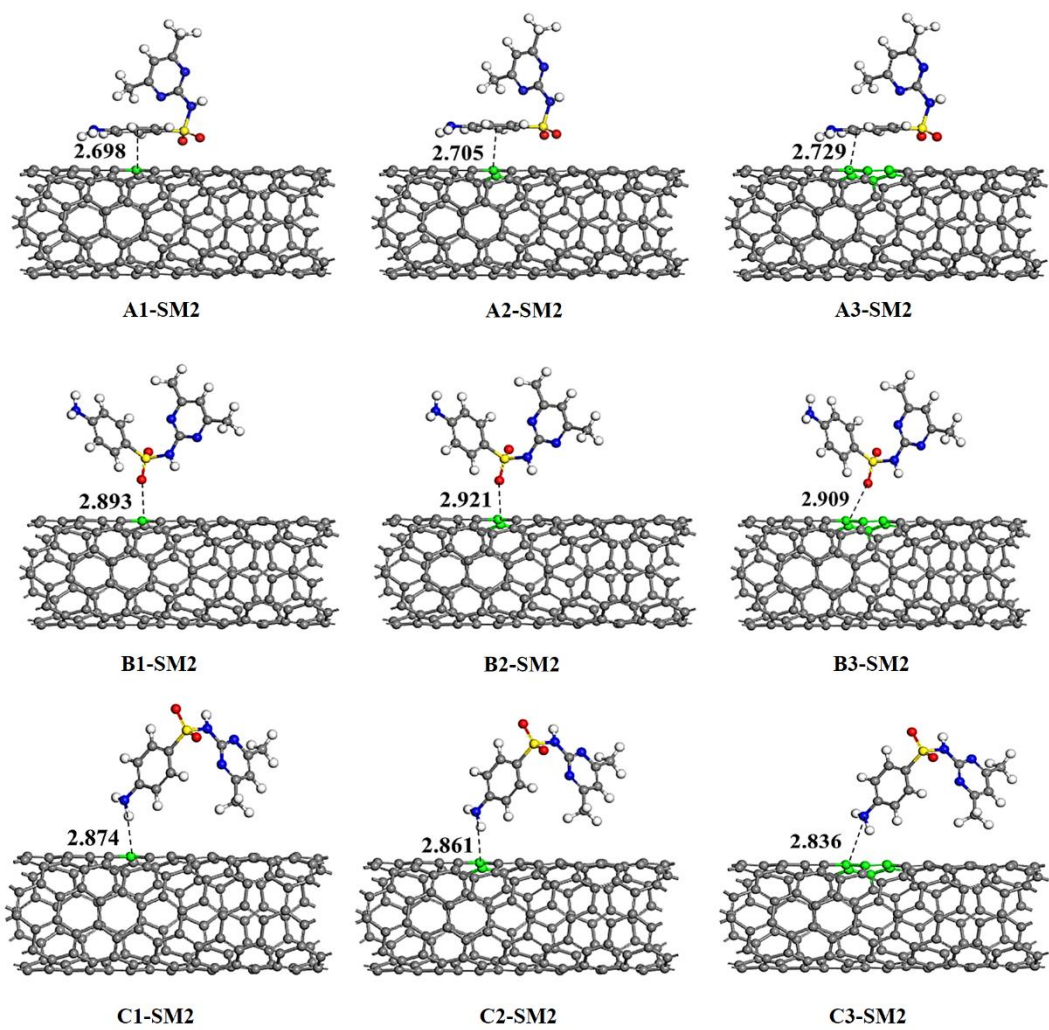


Figure S4 The Stable adsorption configuration of SM2 on carbon nanotubes in vacuum

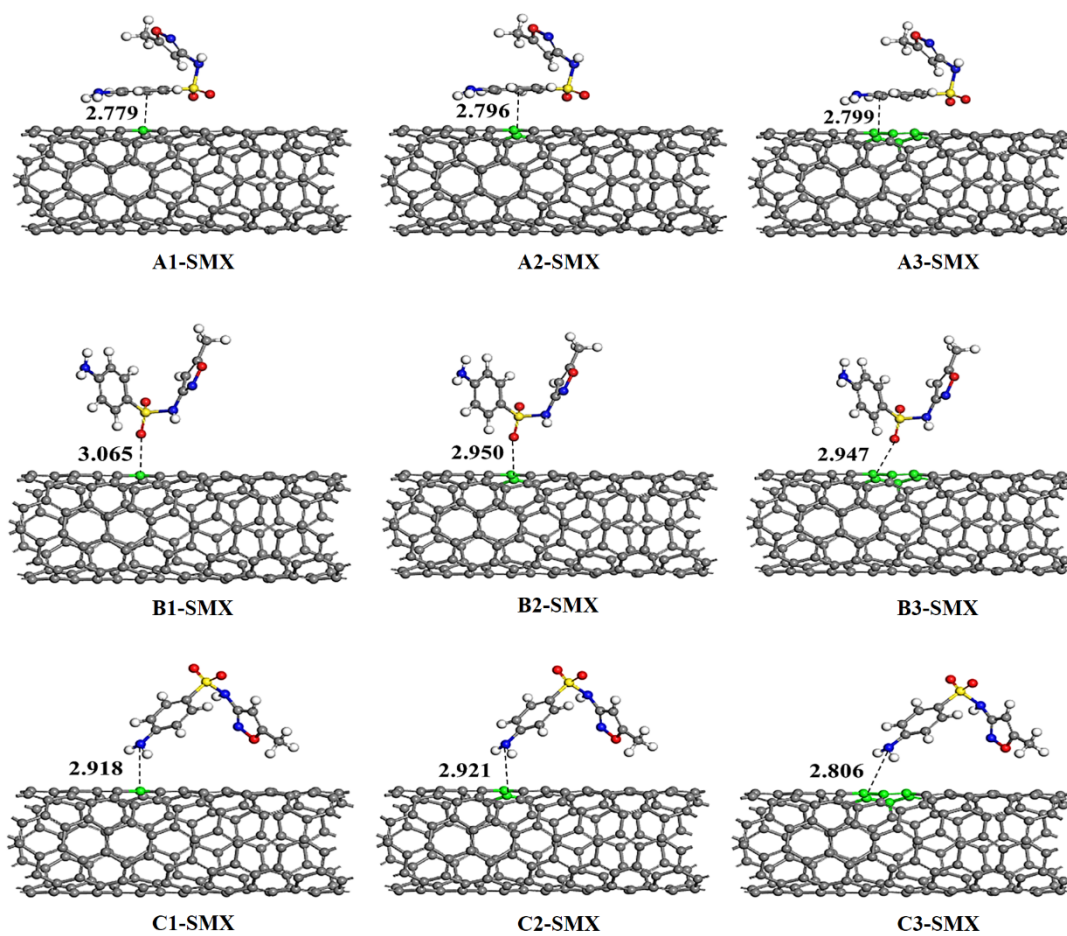


Figure S5. The Stable adsorption configuration of SMX on carbon nanotubes in vacuum

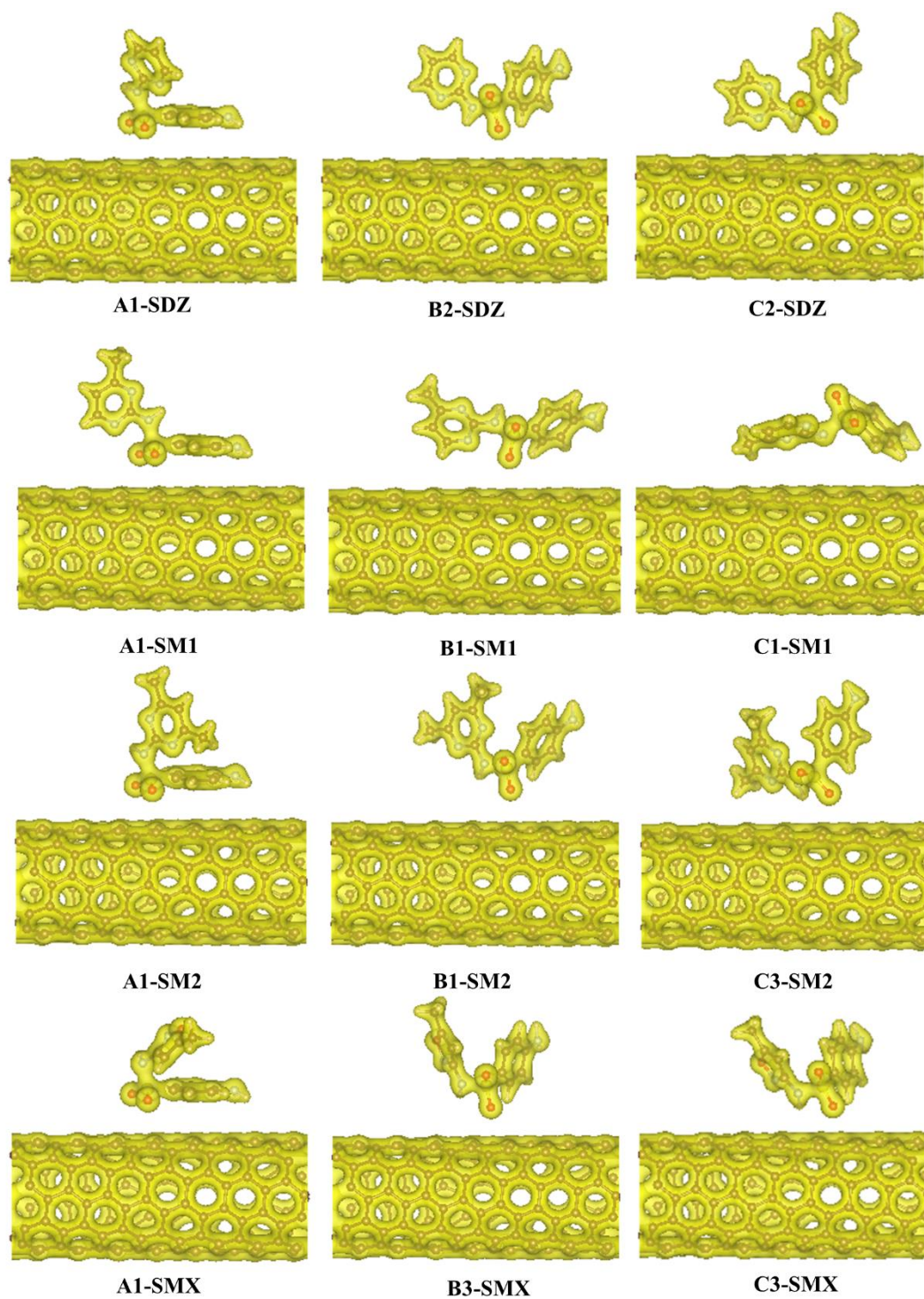


Figure S6. Electron density diagram of SDZ、SM1、SM2、SMX stable adsorption configuration

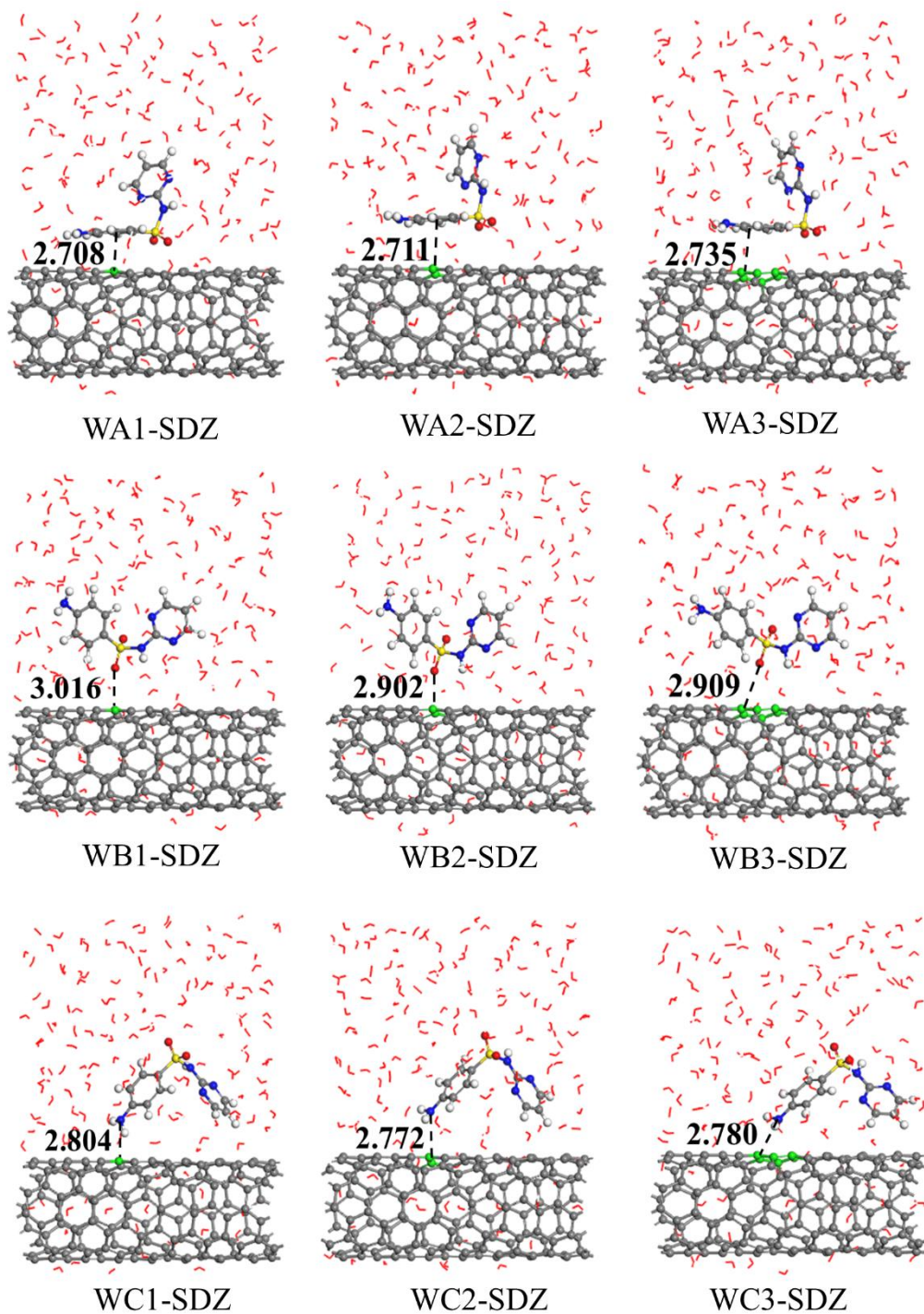


Figure S7. The Stable adsorption configuration of SDZ on carbon nanotubes in water environment

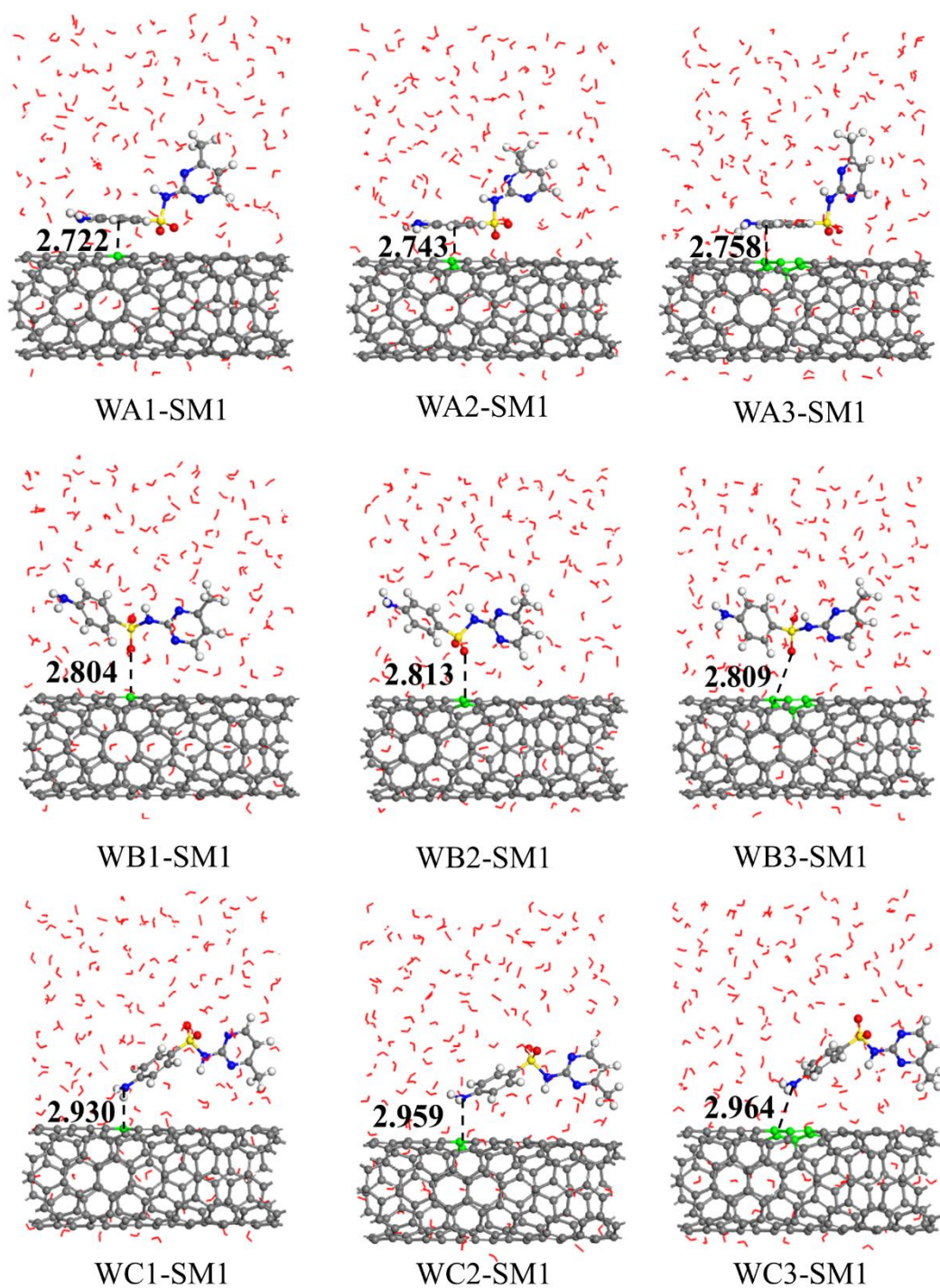


Figure S8. The Stable adsorption configuration of SM1 on carbon nanotubes in water environment

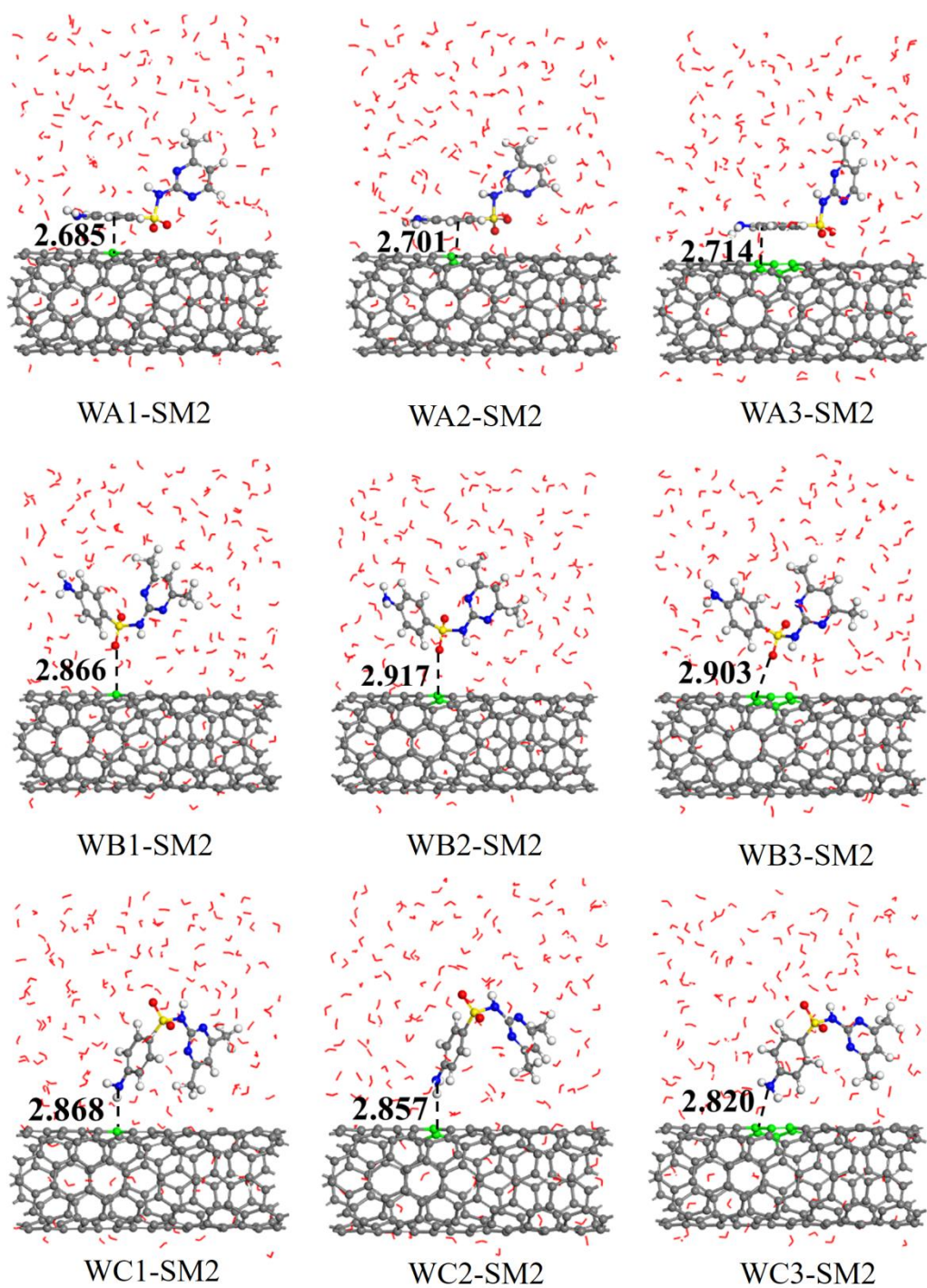


Figure S9. The Stable adsorption configuration of SM2 on carbon nanotubes in water environment

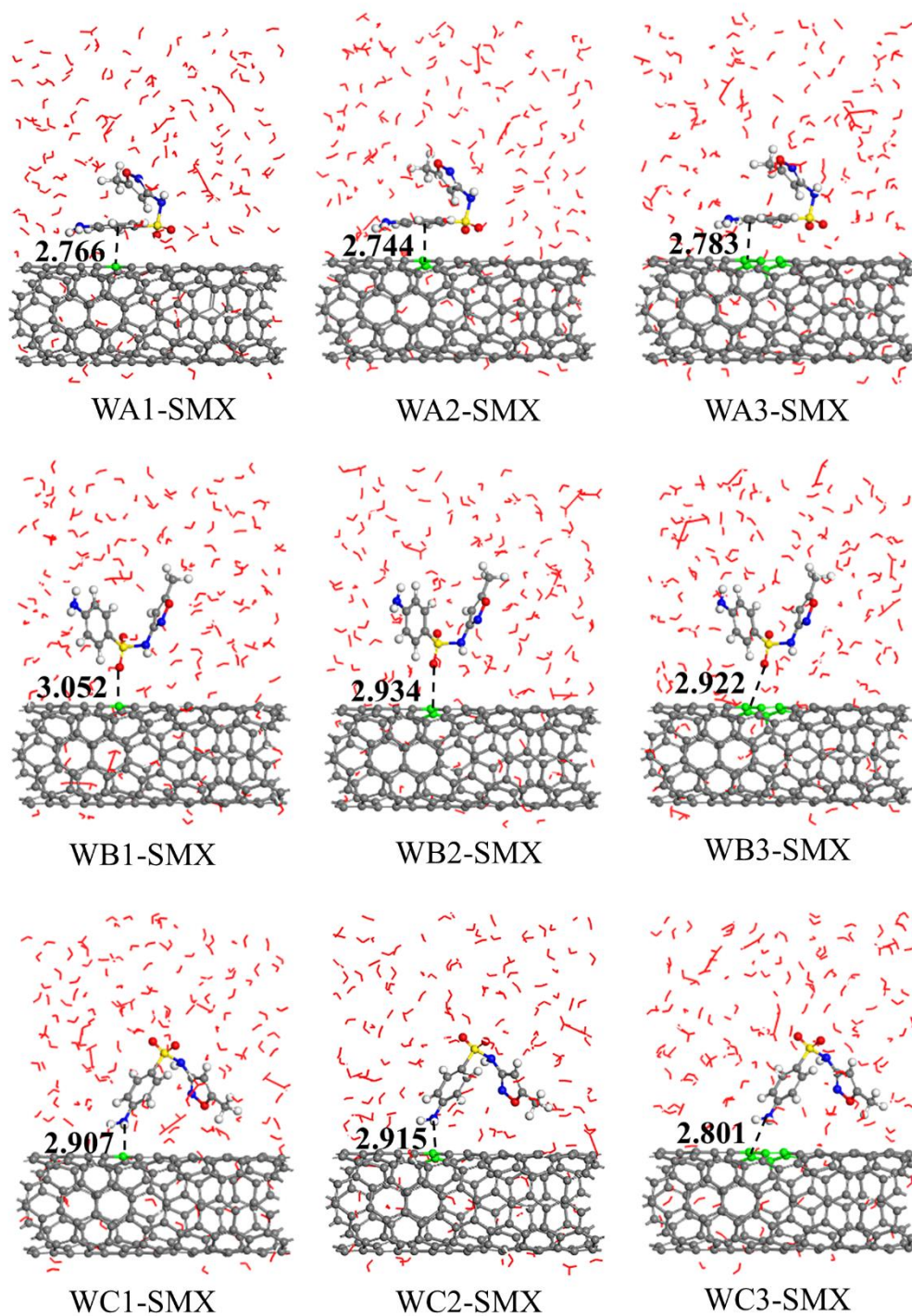


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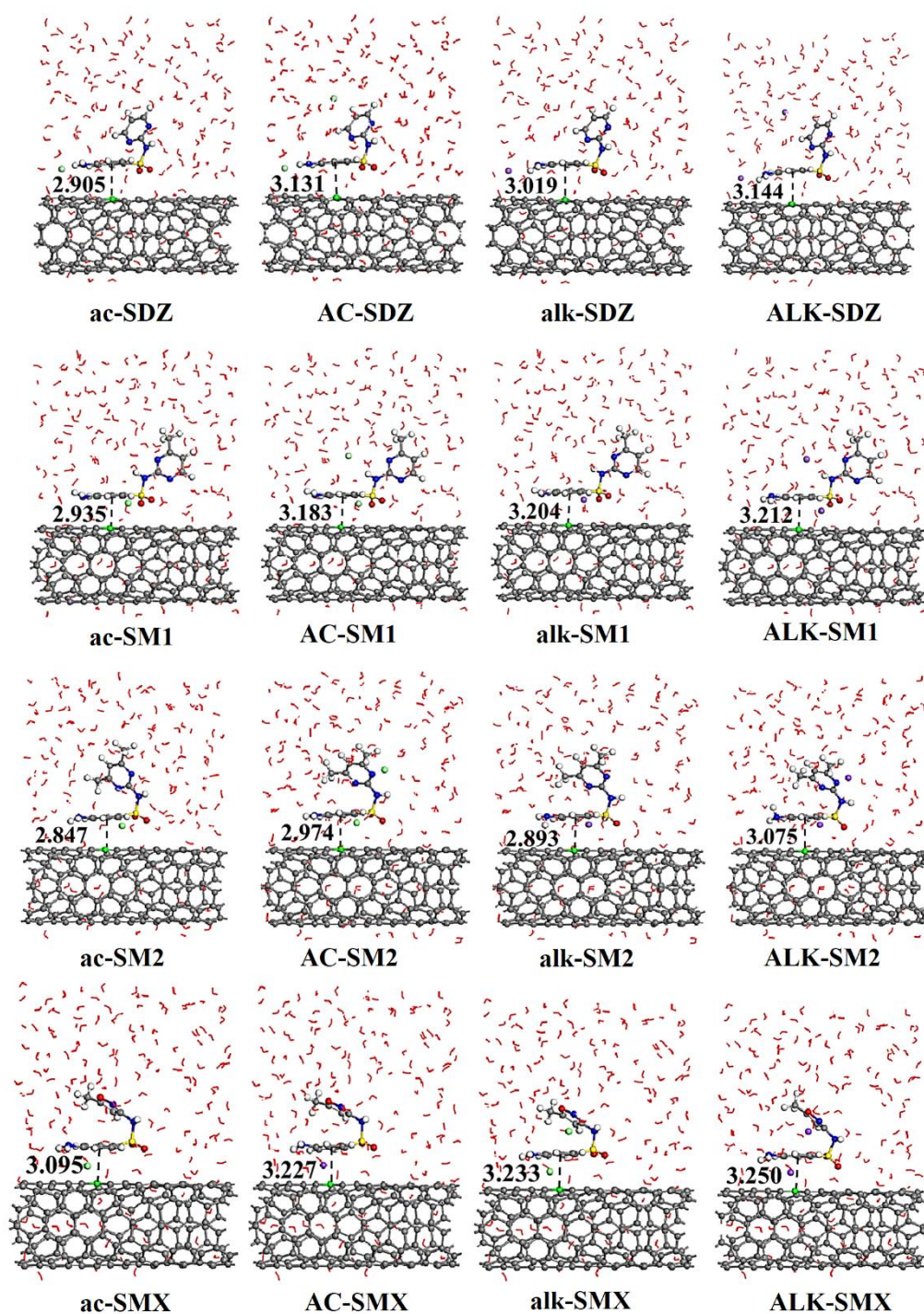


Figure S11. The Stable adsorption configuration of SDZ、SM1、SM2、SMX on carbon nanotubes in acidic and alkaline environment