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## **Supporting information**

### **Title:**

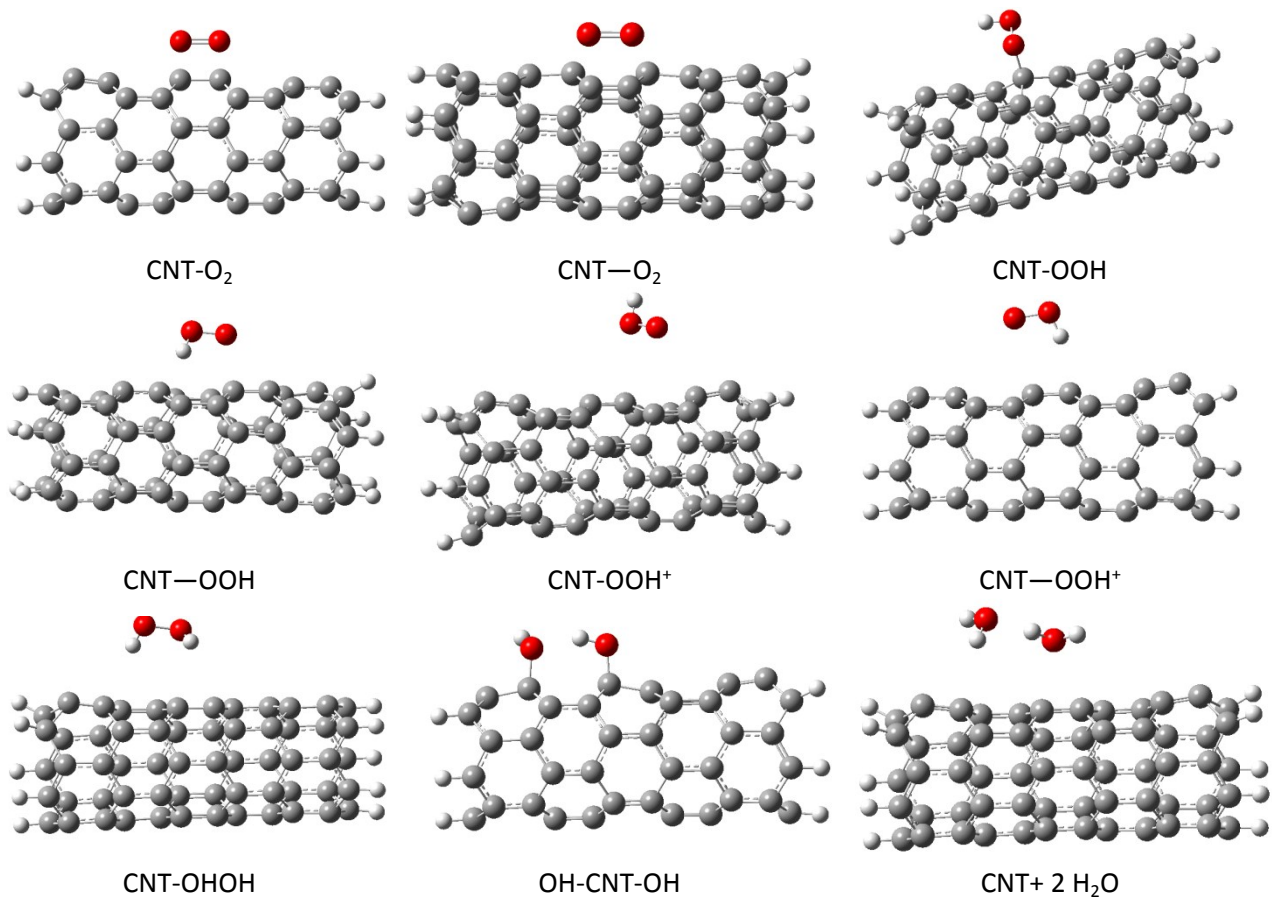
**Sulfur Doped Carbon Nanotube as a Potential Catalyst for Oxygen Reduction Reaction**

### **Authors:**

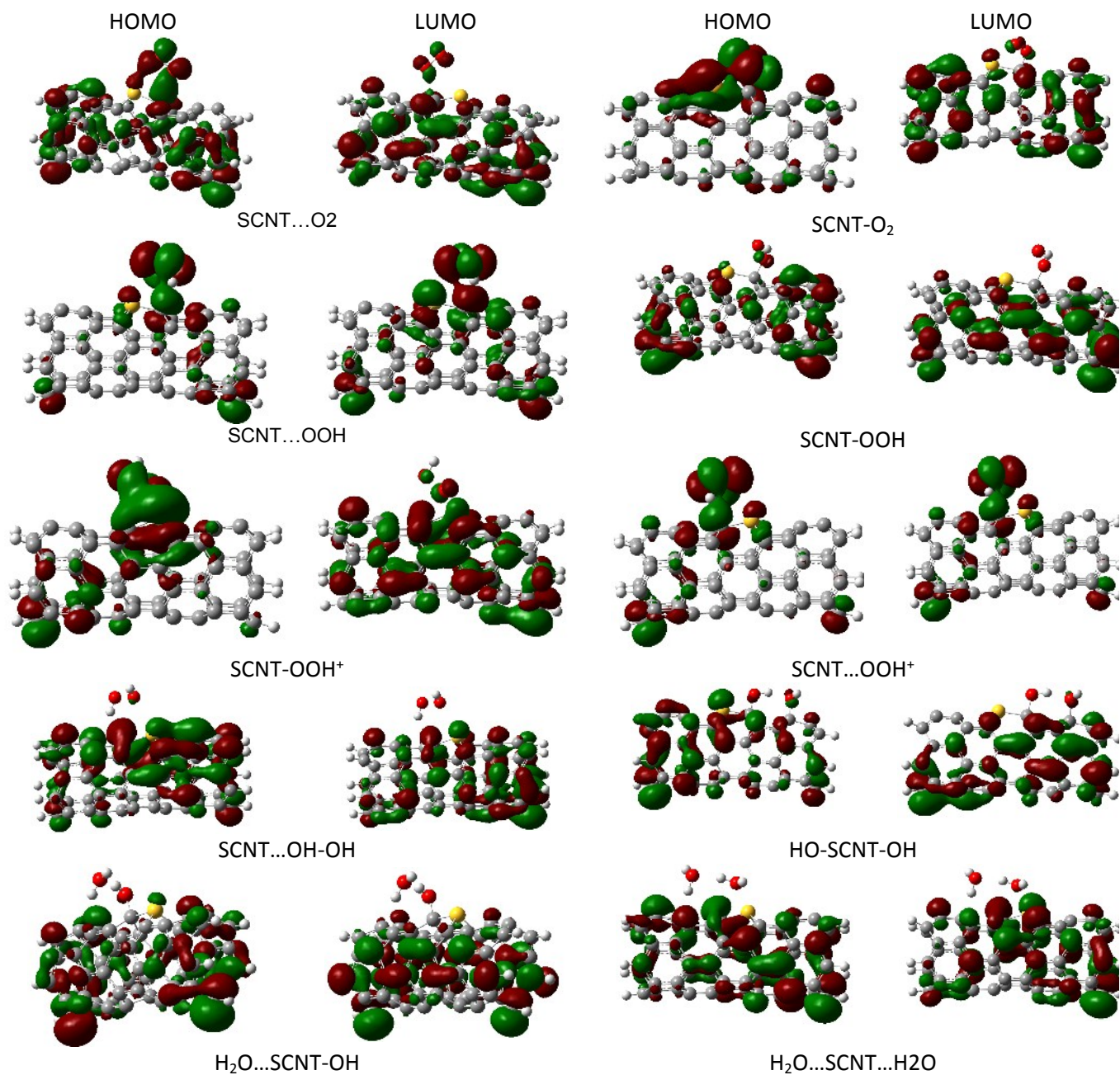
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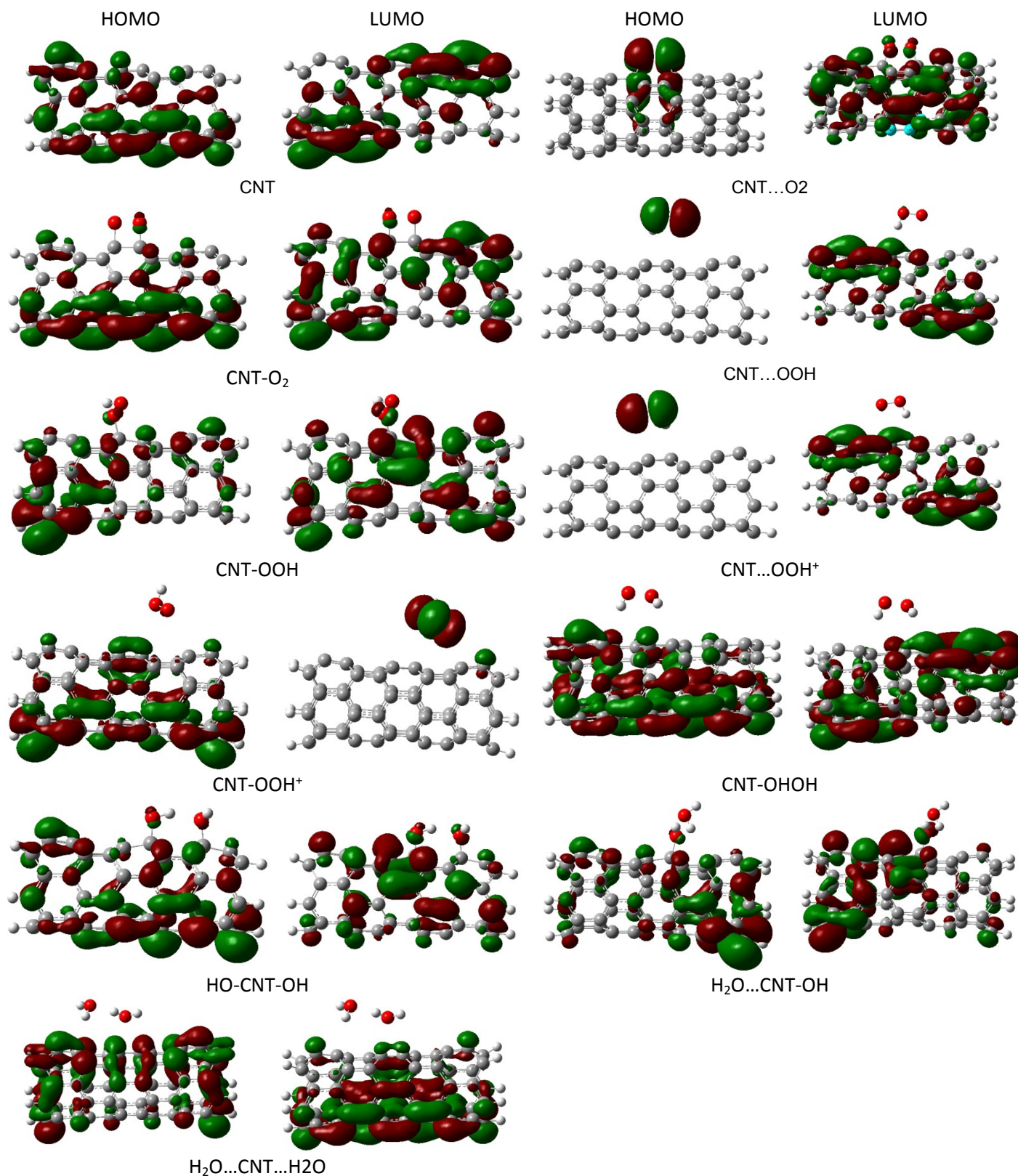
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**Fig. S1** Optimized structures of the catalyst and all intermediates of studied ORR reaction



**Fig. S2** The shapes of HOMO and LUMO of all intermediates of SCNT involved in ORR via four-electron mechanism



**Fig. S3** The shapes of HOMO and LUMO of all intermediated of CNT involved in ORR via four-electron mechanism