

Supporting Information

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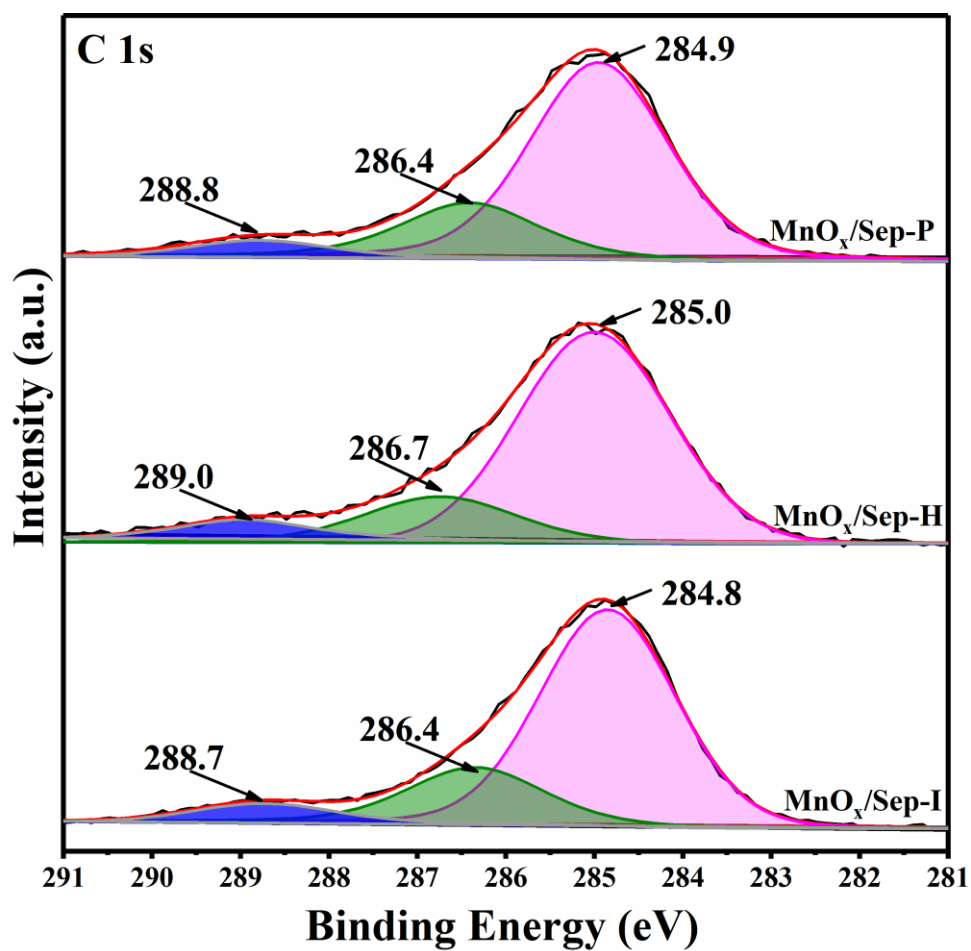


Figure S1. The XPS patterns of C 1s of MnO_x/Sep-H, MnO_x/Sep-P and MnO_x/Sep-I.

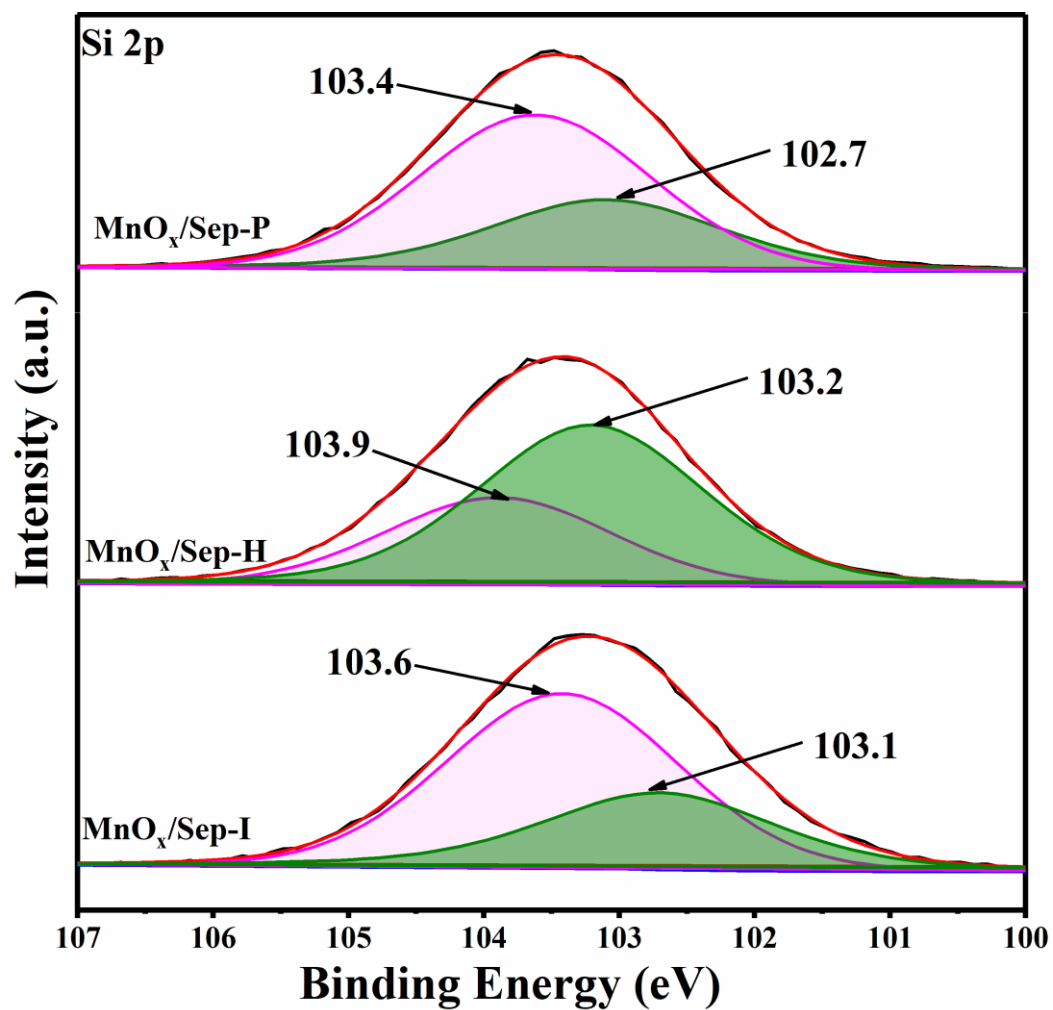


Figure S2. The XPS patterns of Si 2p of MnO_x/Sep-H, MnO_x/Sep-P and MnO_x/Sep-I.