



Figure. S21. XPS curves of Mn 2p: (a) MnO (b) Mn₃O₄ (c) MnO₂, and Mn 3s: (d) MnO (e) Mn₃O₄ (f) MnO₂. ((i) before reaction, (ii) after heterogeneous reaction, (iii) after synergistic reaction).