

Fig.S1 TEM images of ZIF-67@ZIF-8

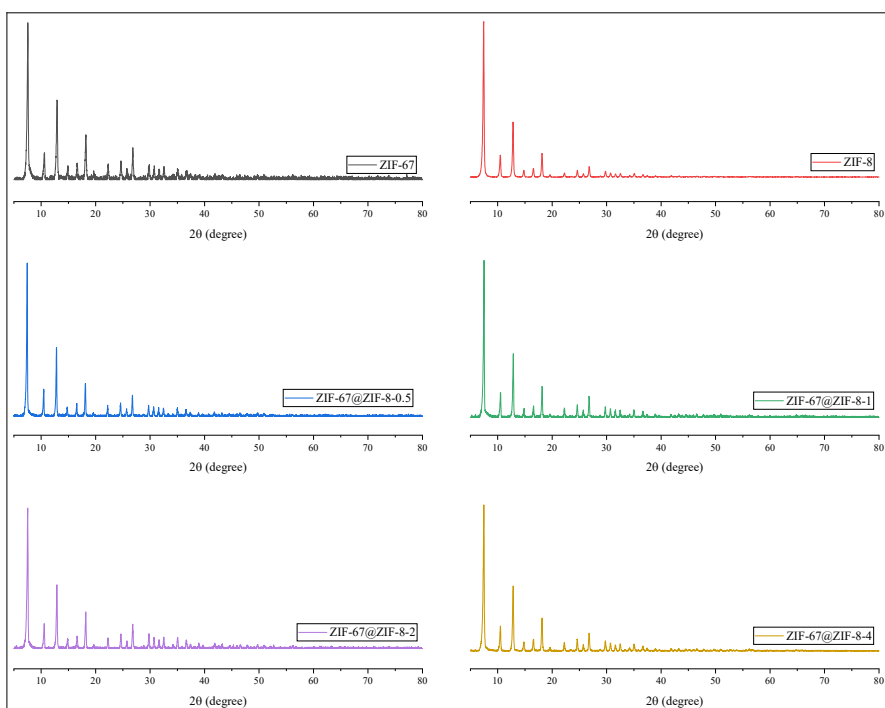


Fig. S2 XRD patterns of ZIF-67@ZIF-8, ZIF-67 and ZIF-8

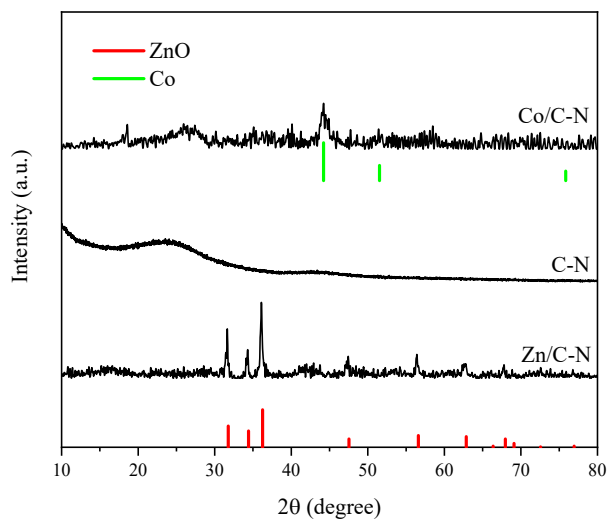


Fig. S3 XRD patterns of Co/C-N, Zn/C-N and C-N

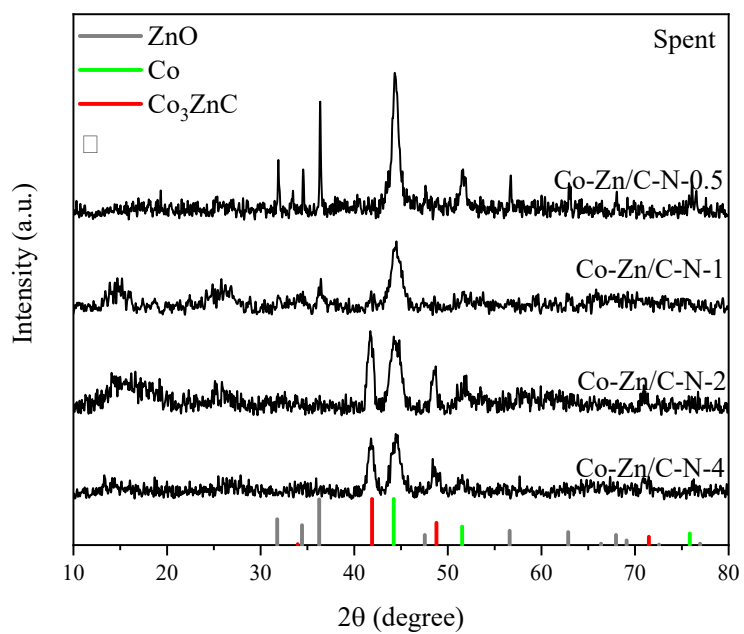


Fig. S4 XRD patterns of Co-Zn/C-N catalyst after reaction

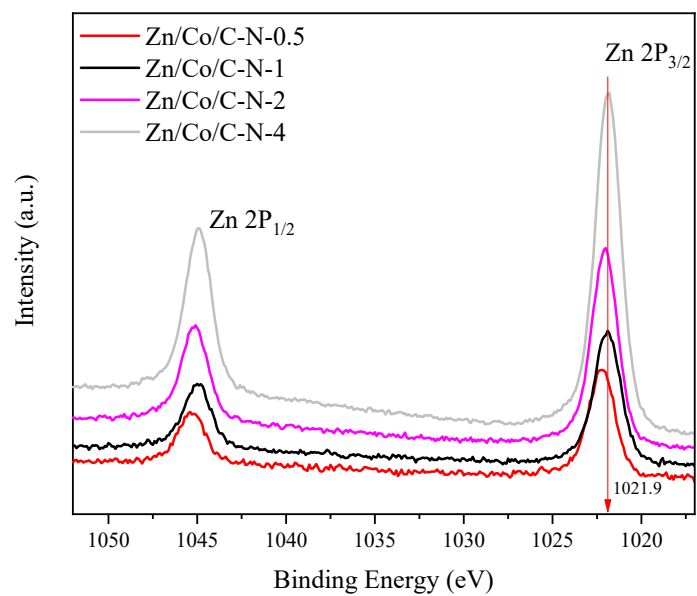
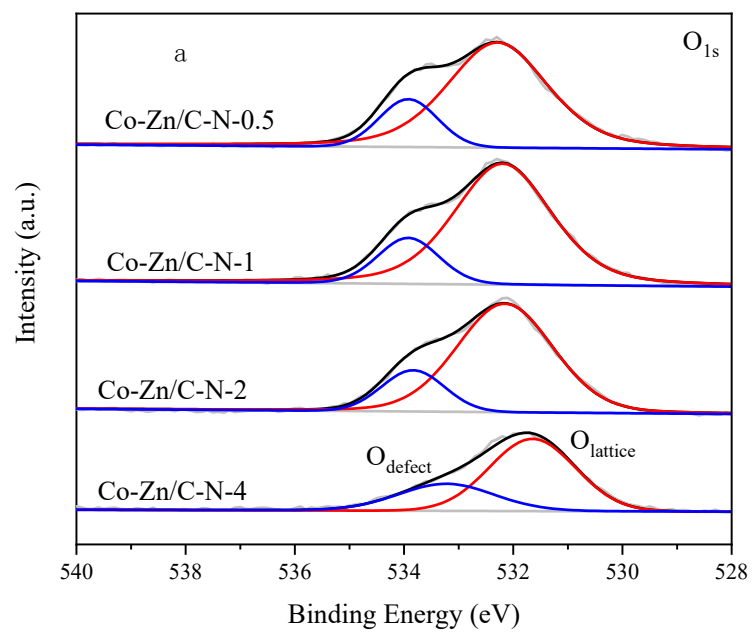


Fig. S5 XPS spectrum of O1s and Zn 2p 3/2 of Co-Zn/C-N catalyst

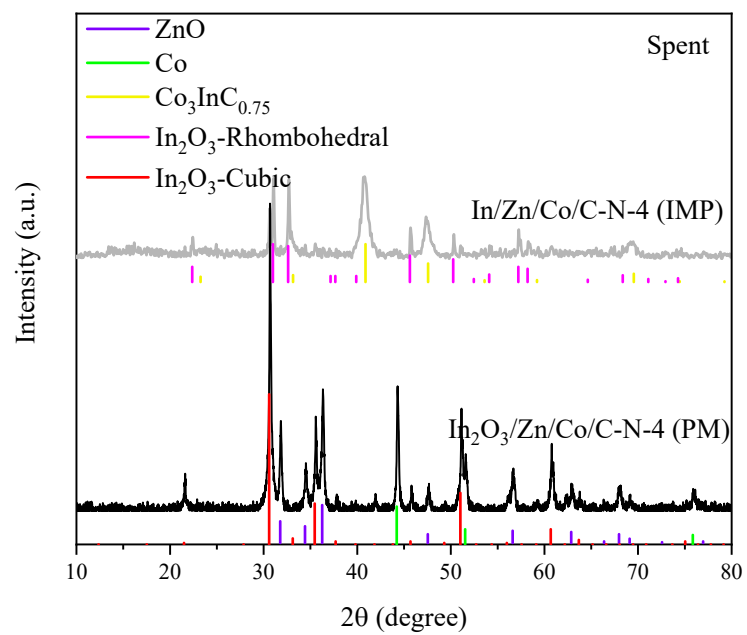


Fig. S6 XRD patterns of spent In-Co-Zn/C-N catalyst