

Figure S1. TEM and HRTEM images of different supported Cu catalysts after stability test: (a, c) Cu/MgAlO_x-used; (b, d) Cu/ZnAlO_x-used.

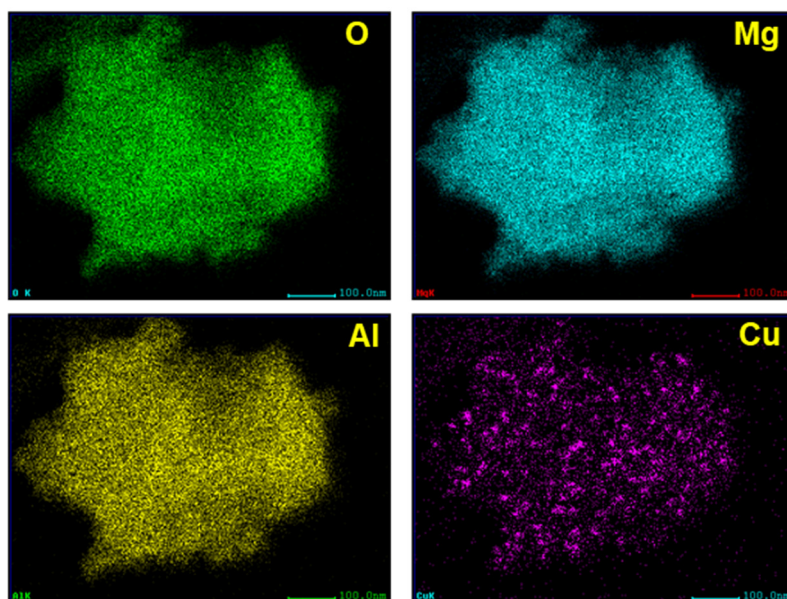


Figure S2. EDX-mapping of Cu/MgAlO_x catalyst after stability test.

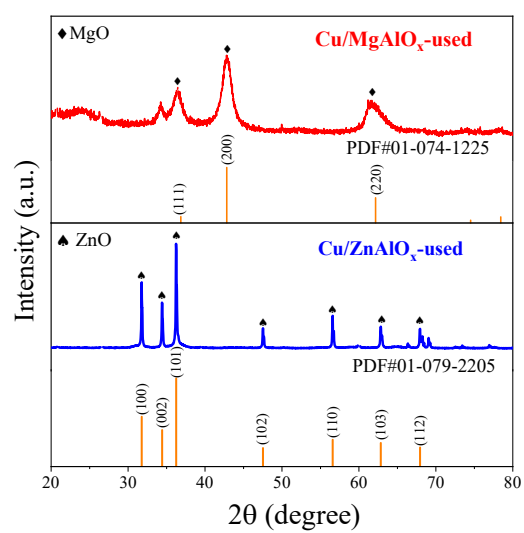


Figure S3. XRD patterns of supported Cu catalysts after stability test.

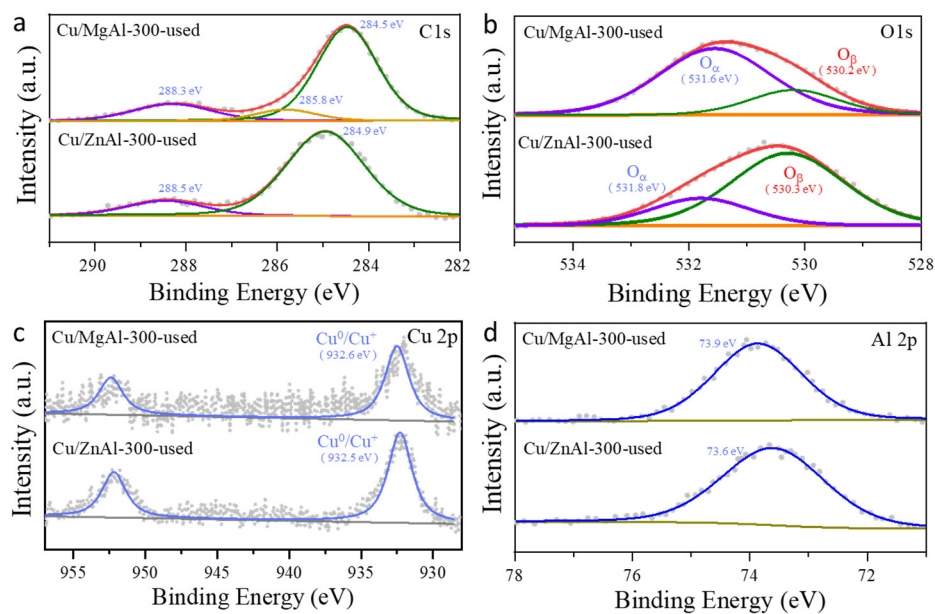


Figure S4. (a) C 1s; (b) O 1s; (c) Cu 2p and (d) Al 2p XPS spectra of supported Cu catalysts after stability test.