## Supplementary Information

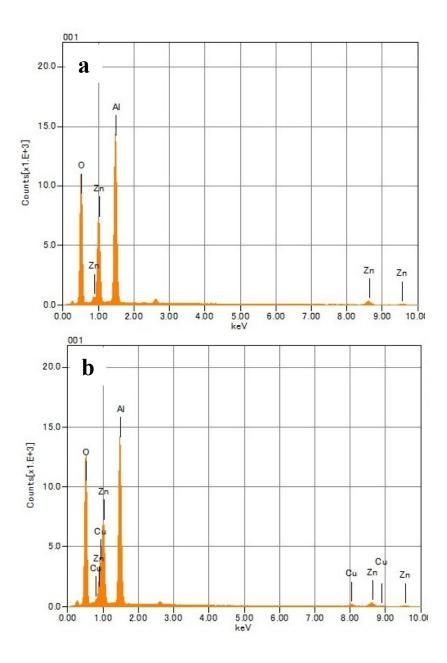


Fig. (a) EDX spectrum of ZAO5 and (b) EDX spectrum of Cu/ZAO5

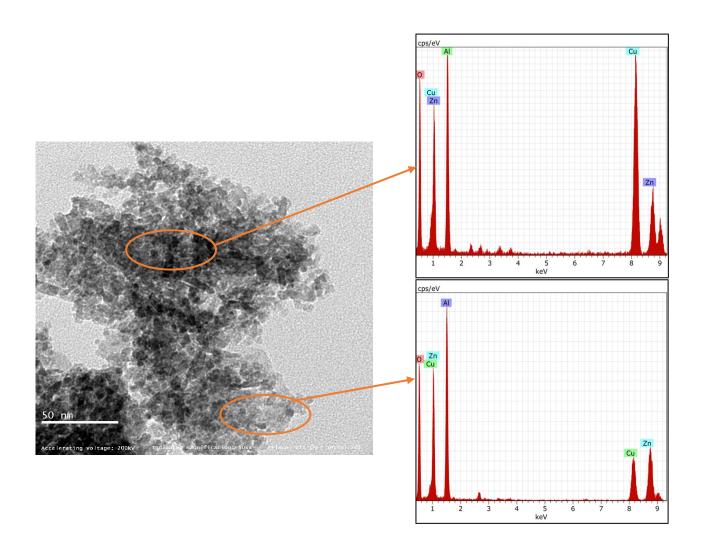


Fig. TEM-EDX of Cu/ZAO5

