

Supporting informations

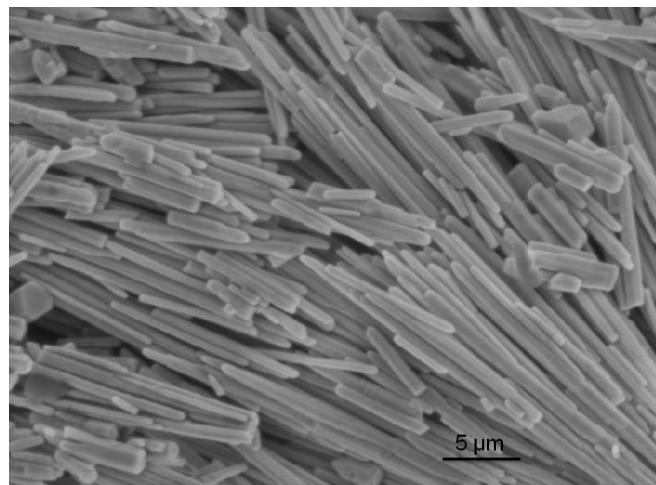


Fig.S1 ZnO nanorod formed when Zn metal is heated only in air for 30 min at 700 °C followed by cooling.

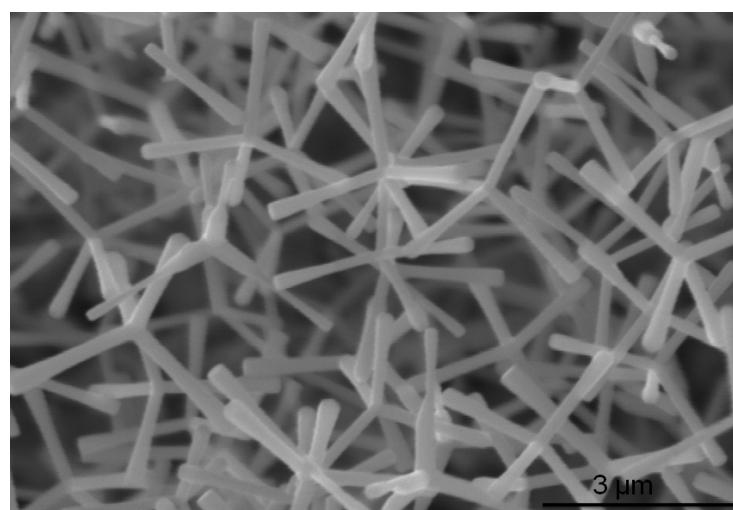


Fig.S2 ZnO tetrapod formed when the synthesis was done by heating in Ar/O₂ mixture for 1h at 700 °C followed by cooling in air.

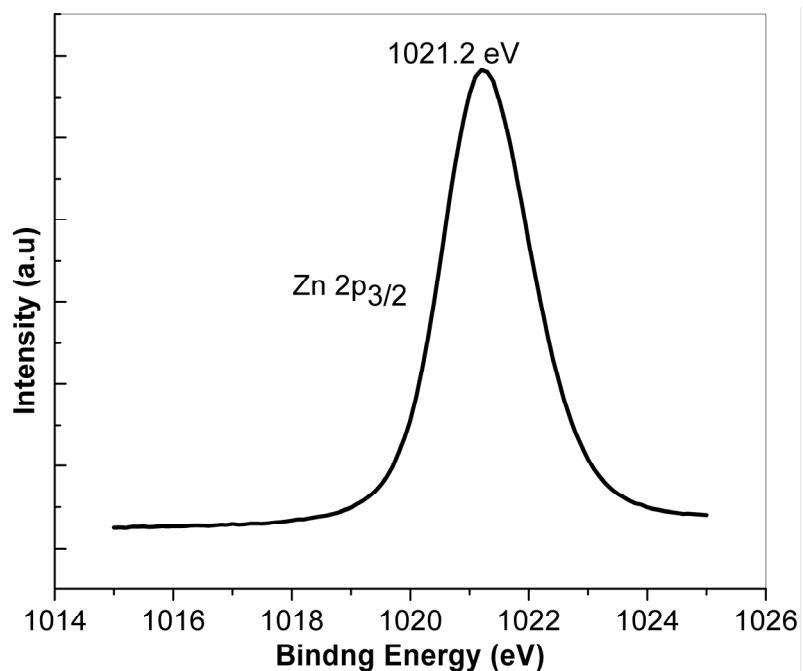


Fig.S3 XPS spectrum of Zn 2p_{3/2}

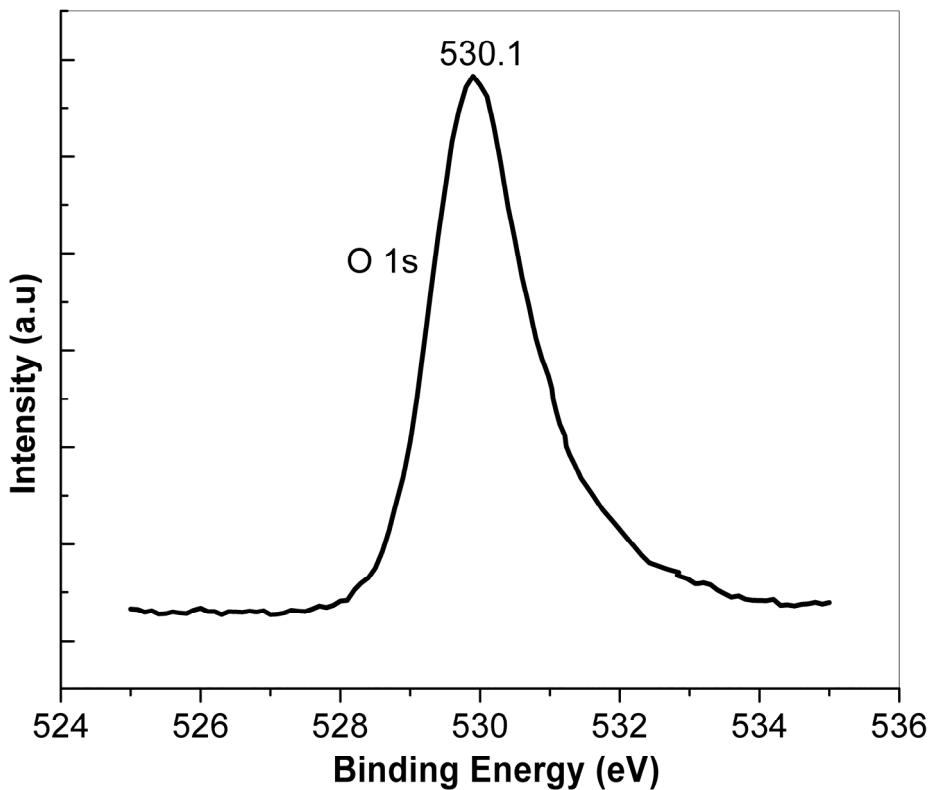


Fig.S4 XPS spectrum of O 1s

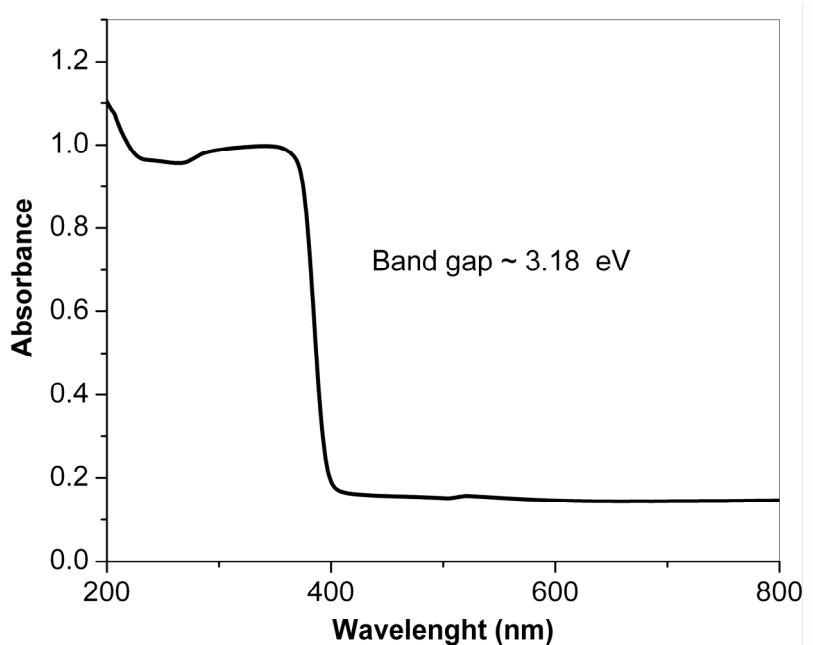


Fig.S5 UV Visible absorption spectrum of ZnO racket.