

Supporting Information

Hydrothermal growth of large-scale micropatterned arrays of ultralong ZnO nanowires and nanobelts on zinc substrate

Conghua Lu, Limin Qi,* Jinhu Yang, Li Tang, Dayong Zhang and Jiming Ma

Beijing National Laboratory for Molecular Sciences (BNLMS), State Key Laboratory for Structural Chemistry of Unstable and Stable Species, College of Chemistry, Peking University, Beijing, 100871, P. R. China. E-mail: liminqi@pku.edu.cn

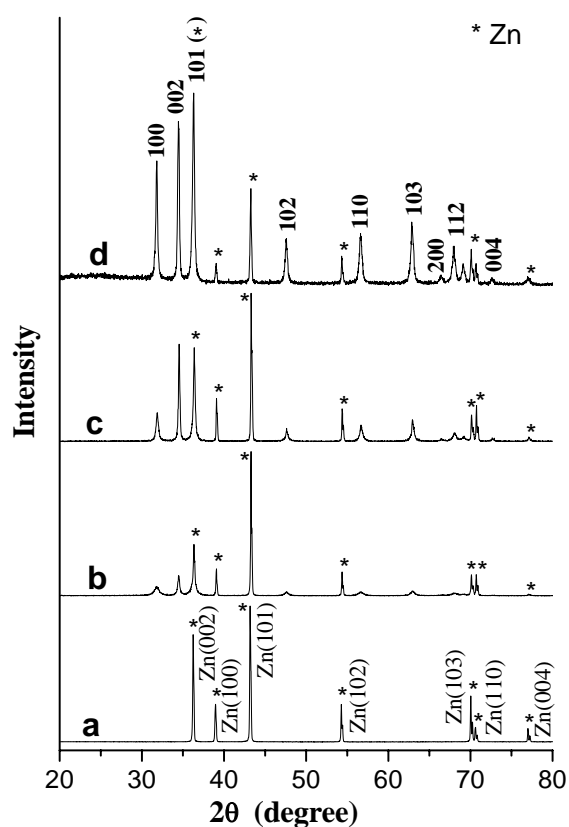


Fig. S1 XRD patterns of Zn foil (a), and ZnO nanorod (b), nanowire (c), and nanobelt (d) arrays grown on Zn foil.

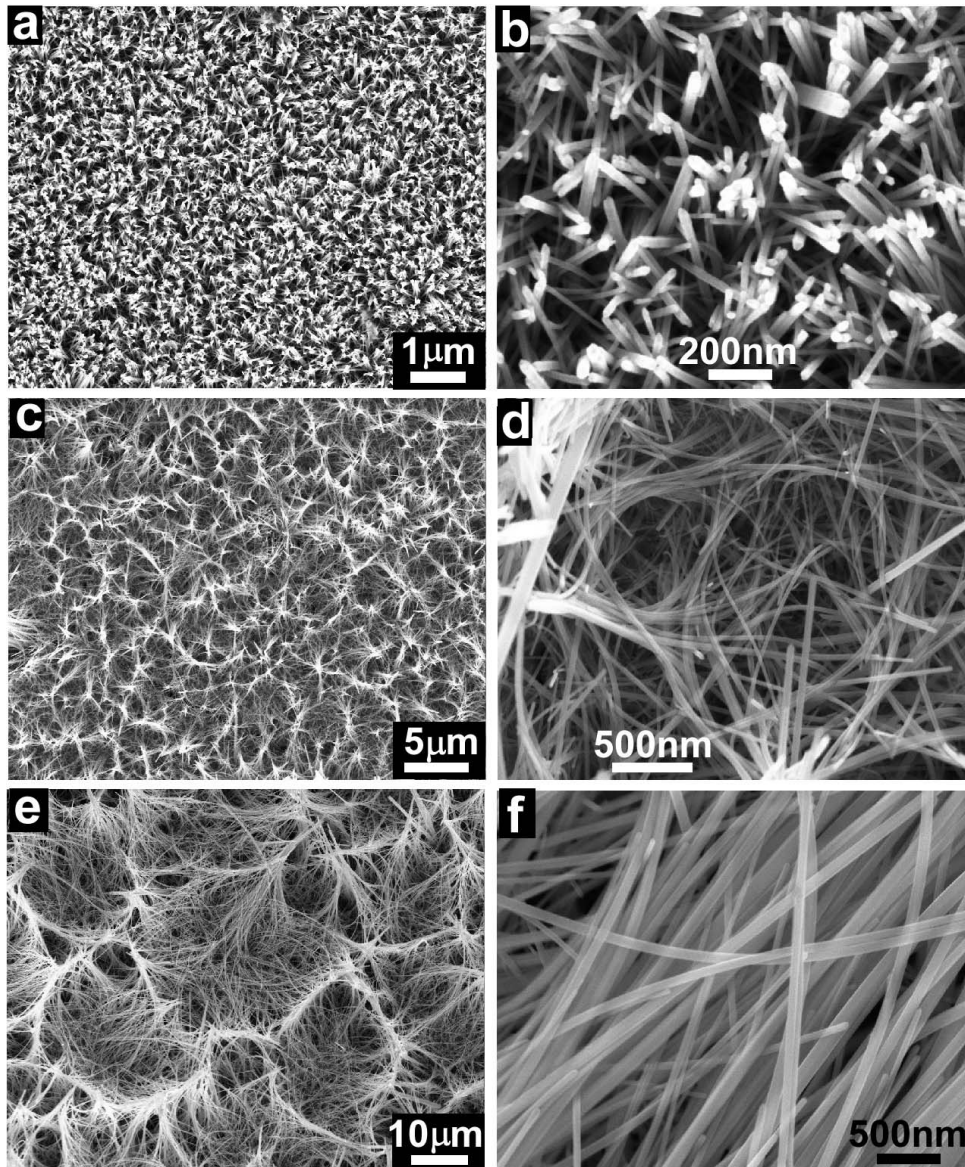


Fig. S2 SEM images of ZnO nanostructures obtained at the earlier stages of the ZnO nanobelt arrays hydrothermally grown on Zn foil. Reaction time: (a,b) 0.5 h, (c,d) 2 h, (e,f) 10 h.

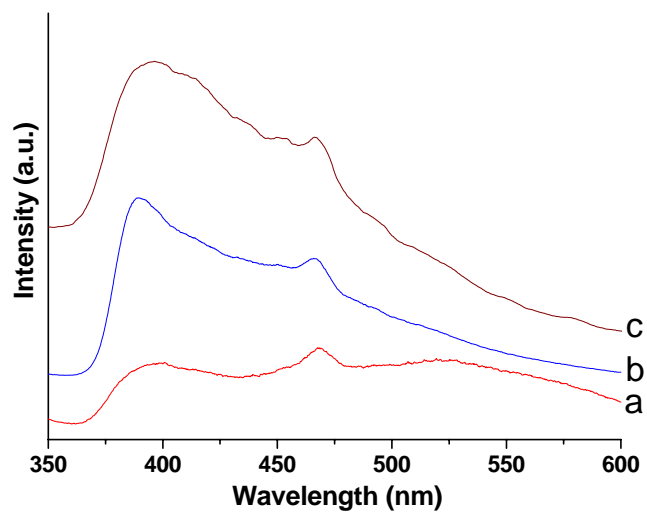


Fig. S3 Photoluminescence spectra of ZnO nanorod (a), nanowire (b), and nanobelt (c) arrays grown on Zn foil.