Rotor-like ZnO by epitaxial growth under hydrothermal conditions

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Fig. S1 Bright field TEM images of the rod-like (a) and rotor-like ZnO (b).

Fig.S2 TEM images of the rotor-like ZnO in the bright field (a) and dark field (b)
Fig. S3 SEM image of the rod-like ZnO mixed with Zn(OH)$_4^{2-}$ solution before the hydrothermal reaction, indicating the fast nucleation on the rod-like ZnO occurs prior to the hydrothermal reaction.