

Supporting Information for
**A simple recycling and reusing hydrothermal route to ZnO nanorod arrays,
nanoribbon bundles, nanosheets, nanocubes and nanoparticles**

Peng Gao,^{†,*} Yujin Chen,[†] Ying Wang,[†] Qin Zhang,[†] Xuefei Li[†] and Min Hu[†]

*Key Laboratory of Superlight Materials and Surface Technology, Ministry of Education,
Harbin Engineering University, Harbin, Heilongjiang 150001, P. R. China*

RECEIVED DATE (automatically inserted by publisher); Email: gaopeng@hrbeu.edu.cn

Sample	Scan size (μm^2)	RMS Roughness (nm)	Average height (nm)
Nanorod arrays	4.0 \times 4.0	64.84	121.8

Table S1. AFM measured parameters for nanorod product.

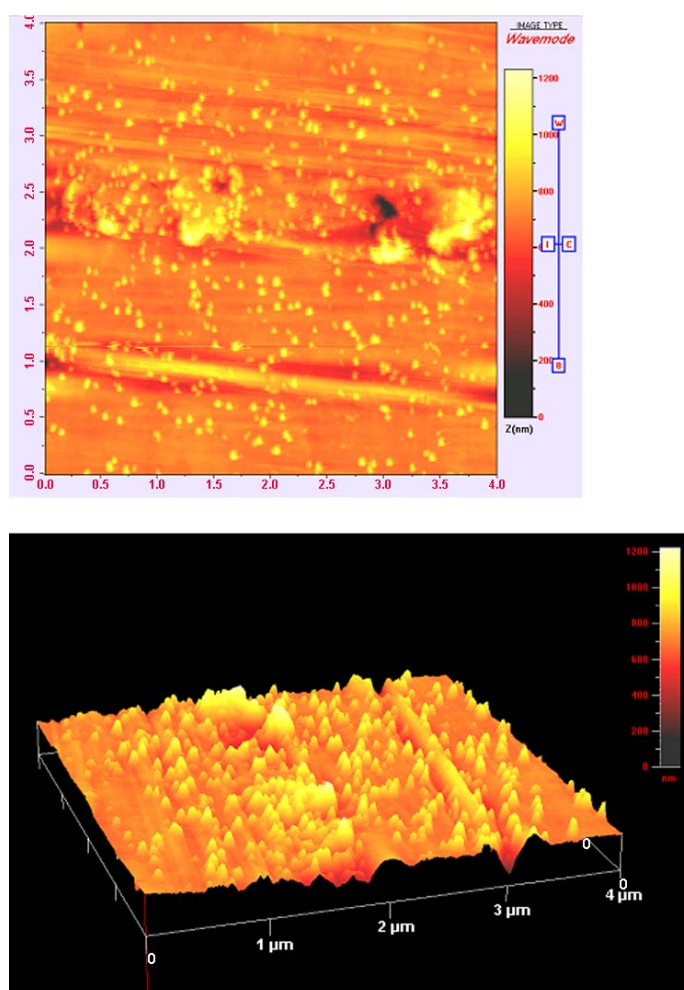


Figure S1. AFM imaging of nanorod arrays grown from obtained at 80 °C for 2 h.

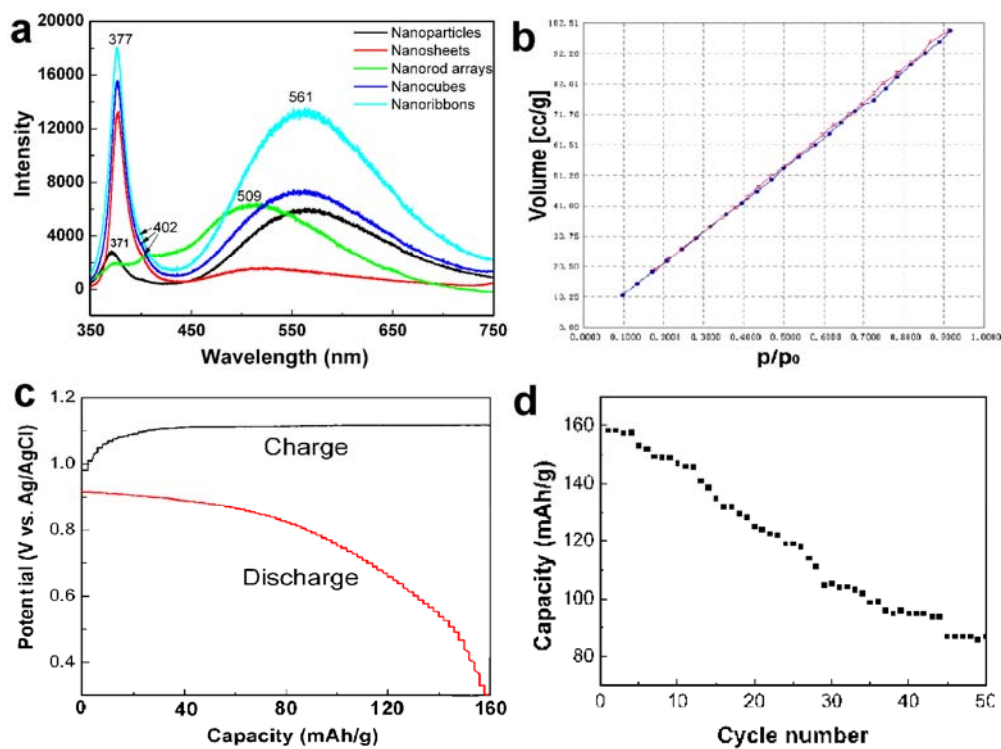


Figure S2. (a) PL spectra of the as-prepared ZnO nanostructures. (b) N_2 adsorption-desorption isotherm of the as-obtained ZnO nanorod arrays. (c) Charge-discharge curves of ZnO nanorod arrays at a constant current density of 30 mA/g. (d) Cycle life of the as-synthesized ZnO nanorod electrode.