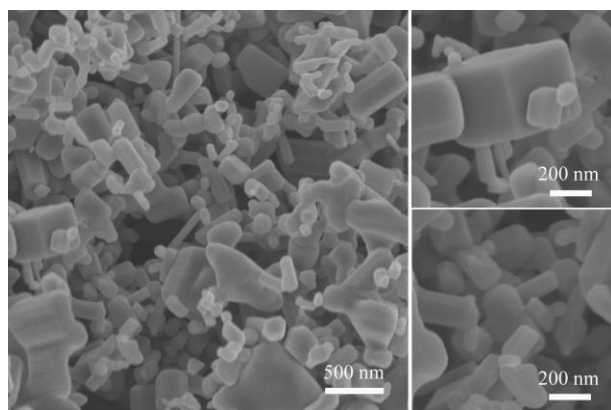


## Supplementary Information:

This file contains Supplementary Figures S1 to S2 with legends.

### Figures S1

**Figure S1** SEM image of commercial ZnO.



### Figure S2

**Figure S2** SEM image of hollow ZnO nano-spheres after annealing 500 °C. Some hollow nanospheres get together.

