

Supporting information for

Low-Temperature Growth of Uniform ZnO Particles with

Controllable ellipsoidal morphologies and Characteristic

Luminescence Patterns

Rongguo Xie

State Key Laboratory of Silicon Materials, Zhejiang University, Hangzhou 310027, P. R. China
and Nanomaterials Laboratory, National Institute for Materials Science, Tsukuba 305-0047, Japan

Dongsheng Li, Hui Zhang and Deren Yang^{a)}

State Key Laboratory of Silicon Materials, Zhejiang University, Hangzhou 310027, P. R. China

Minhua Jiang

State Key Laboratory of Silicon Materials, Zhejiang University, Hangzhou 310027, P. R. China

and

State Key Laboratory of Crystal Materials, Shandong University, Jinan 250100, P. R.
China

Takashi Sekiguchi

Nanomaterials Laboratory, National Institute for Materials Science, Tsukuba 305-0047, Japan

Baodan Liu and Yoshi Bando

Graduate School of Pure and Applied Sciences, University of Tsukuba, Tsukuba, 305-0005, Japan
and Advanced Materials Laboratory, National Institute for Materials Science, Namiki1-1, Tsukuba,
305-0047, Japan

^{a)} Corresponding author:

Tel: +86-571-87951667

Fax: +86-571-87932322

E-mail address: Mseyang@zju.edu.cn

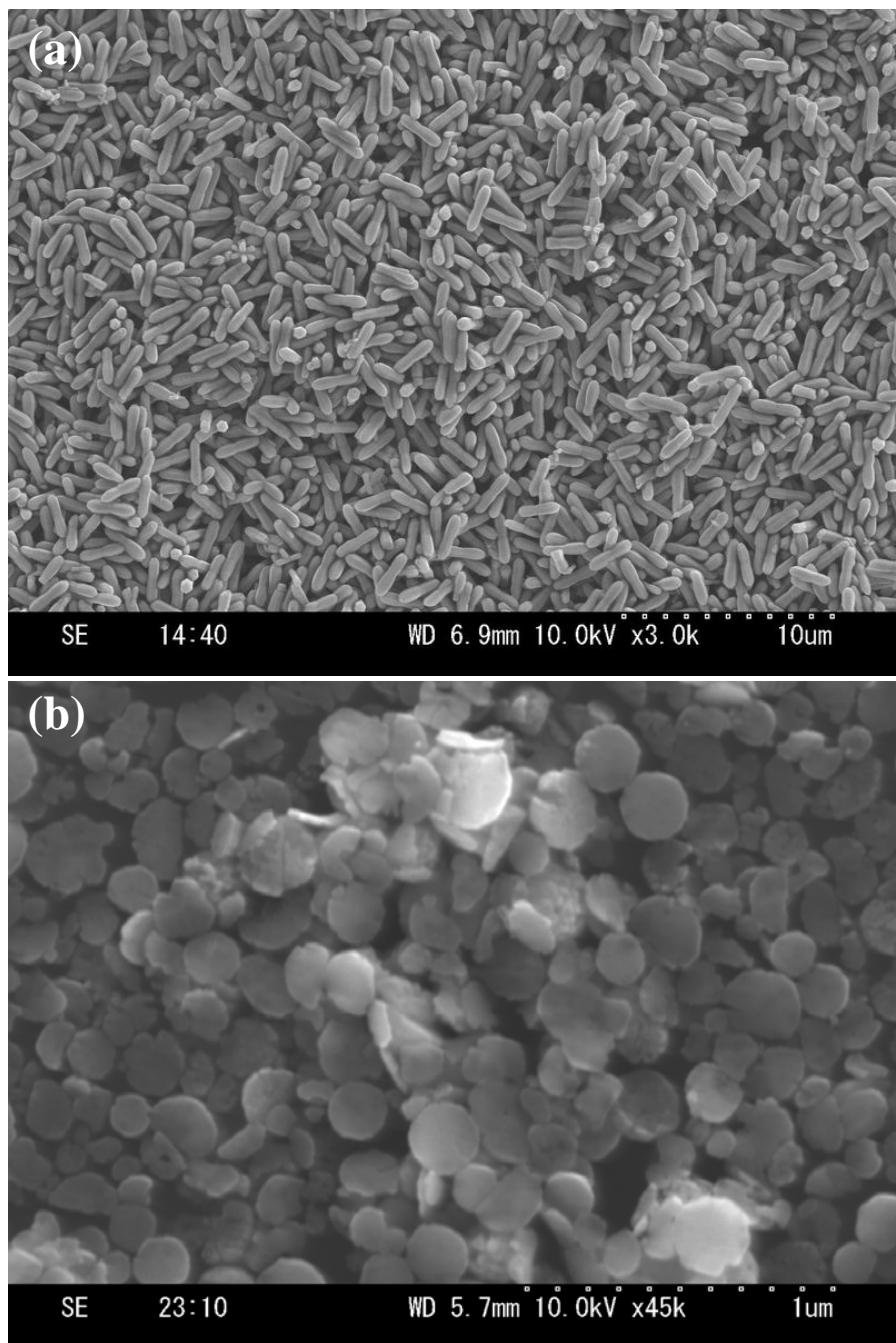


Figure 1. SEM images of ellipsoidal ZnO particles prepared at very low and very high TEA concentrations at 80 °C for 2 h. (a) 0.01 M; (b) 0.30 M.