

Growth–Regime–Controlled Synthesis of CdS–Bi₂S₃ and Bi₂S₃ Nanocrystals during the Dissolution–Recrystallization Processes

Xiaobo He, Lian Gao^{}, Songwang Yang and Jing Sun*

State key Laboratory of High Performance Ceramics and Superfine

Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences,

1295 Dingxi Road, Shanghai 200050, People's Republic of China

*To whom correspondence should be addressed. E-mail: liangaoc@online.sh.cn

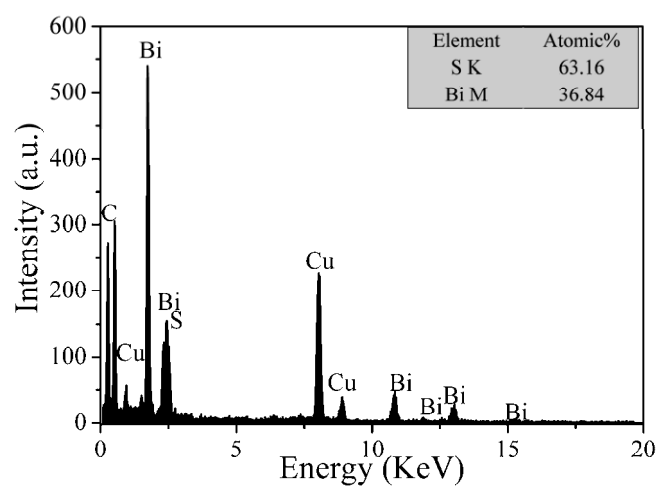


Fig. S1 EDS spectrum collected from the β -NR shown in Fig. 2c.

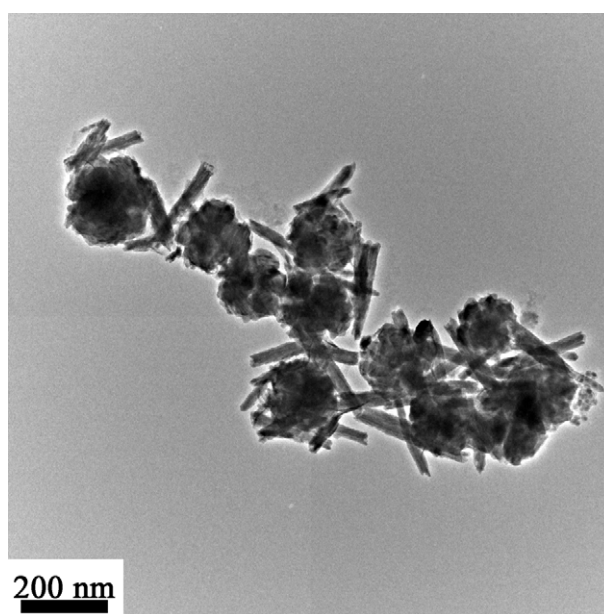


Fig. S2 The low-magnification TEM image of the sample S1.

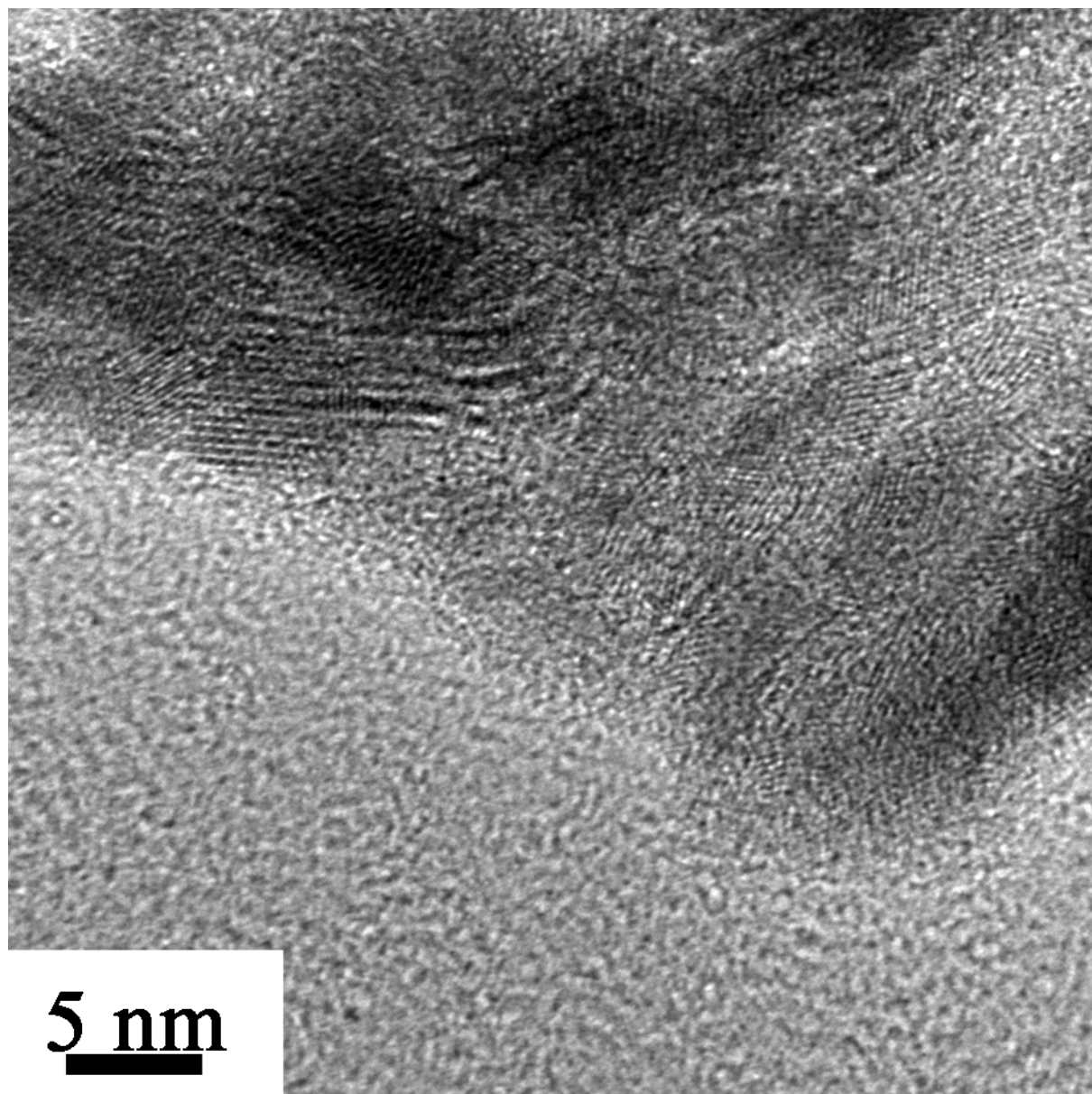


Fig. S3 HRTEM image of the zone marked by a circle in Fig. 3d.

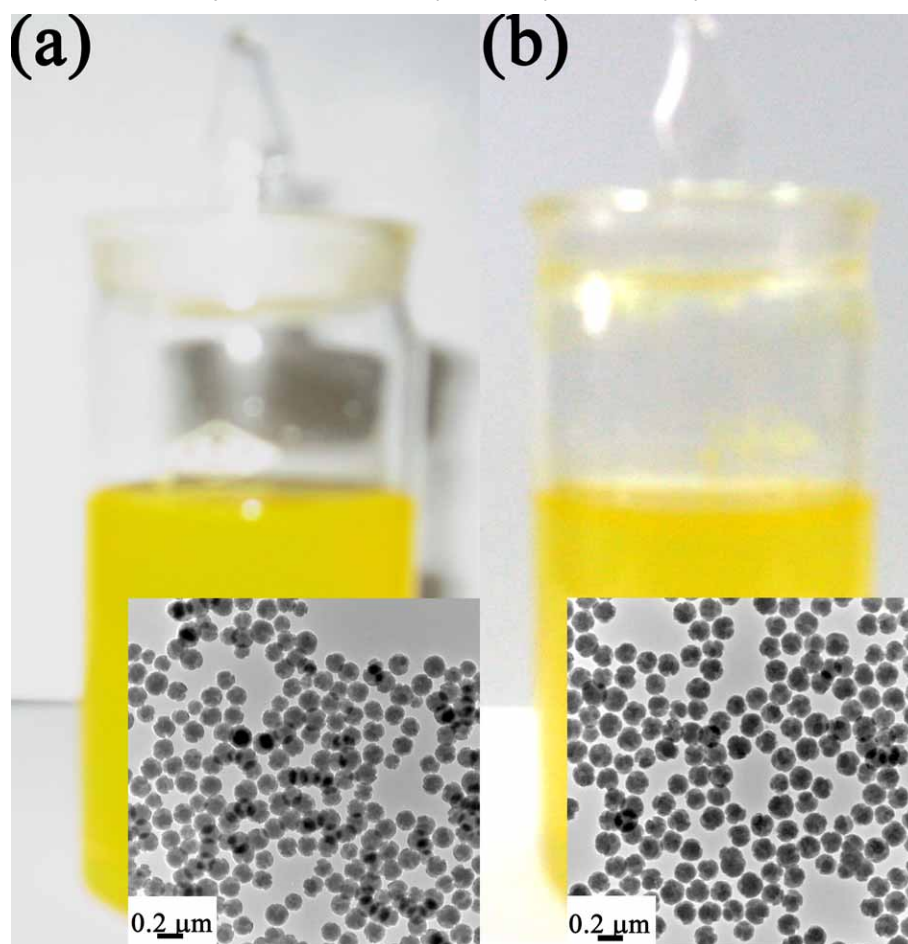


Fig. S4 Photographs before (a) and after (b) heating treatment at 170 °C for 5 h without adding Bi^{3+} ions. The insets show the corresponding TEM images, respectively.