## **Electronic Supplementary Information**

Hierarchical Bi<sub>2</sub>Se<sub>3</sub> microrods: microwave-assisted synthesis, growth mechanism, and their related properties

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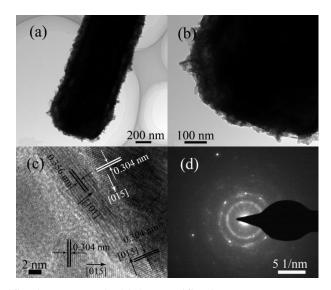


Fig. S1. (a) low magnification TEM, (b) high magnification TEM, (c) HATEM images and (d) SAED pattern of the samples prepared by microwave-assisted heating at 160°C for 3 min time interval.

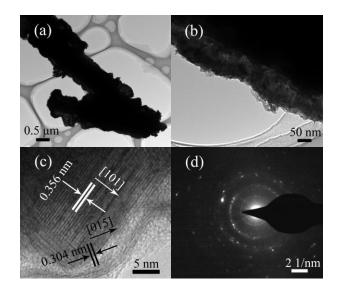


Fig. S2. (a) low magnification TEM, (b) high magnification TEM, (c) HATEM images and (d) SAED pattern of the samples prepared by microwave-assisted heating at 160°C for 10 min time interval.